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1927
SPRING
1924

PAINESVILLE
NURSERIES

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STORRS^{AND} HARRISON
== COMPANY ==

PAINESVILLE, OHIO

Storrs & Harrison's

NEW AND SUPERB HARDY

PHLOXES

1. *Ferdinand Cortez*, 2. *Gefion*, 3. *Rheinlander*
4. *Henry Murger*, 5. *Ryndstrom*.



PRICE **20¢** EACH

*The five colors as shown, one
of each, Price 85¢ postpaid.*



CATALOGUE No 2

SPRING 1924



THE PAINESVILLE NURSERIES

1854

INTRODUCTORY

1924



SEVENTY YEARS of direct dealing with the public; keeping abreast of the times in trustworthy production and importation, advertising modestly and true to fact, and marketing our commodities according to the "Golden Rule" policy of our founders—these have established friendships, earned prestige and wrought progress, year by year.

With 1,200 acres and full equipment we are known today as the **LEADING DEPARTMENTAL NURSERY** in America.

Combining the allied interests of Nurserymen, Florists and Seedmen, we are able to take care of your entire planting requirements. This economic advantage, our satisfying quality of stock, liberal grading, late spring season, superior packing, central location and excellent shipping facilities, have been potent factors in building up our business, and still merit consideration.

It might be permissible at seventy years, and with such justification, to make this issue of our catalogue a celebration; but we shall be content to cage our eagle within these twenty lines. They have been good years. Your patronage of the past has ensured us sound financial responsibility. Not the least appreciated element in personal dividends is our satisfaction in having contributed so largely towards making this old world more beautiful and fruitful, and so more valuable for human living. We thank you; and bespeak your further interest.

THE STORRS & HARRISON CO.

Our Complete Stock makes it possible for customers to secure everything needed for orchard, kitchen-garden, lawn flower-beds, window-garden or conservatory on one order and normally, in but one shipment.

Our Seed, Plant and Tree Departments are entirely separate. Many customers prefer having their seeds shipped very early, their bedding plants late, with the fruit and ornamental section in season between. Even when this arrangement is not specified, we sometimes thus exercise our discretion, for the customer's best interests.

How to Order. Please use order sheets found in front part of this catalogue, carefully filling in blank spaces and enclosing payment for full amount of order. Write very plainly, or print: name, post office, county, state, street and house number or R. F. D. where you get your mail; with explicit directions if stock is to be shipped to some other town. To avoid mistakes do not write letters on same sheet as orders.

When to Order. As soon as this catalogue reaches you, send in your complete order for seeds, plants and trees, with definite shipping instructions which we will follow as closely as possible. By ordering early, we are enabled to assemble possibly all of your list while supply is unbroken and "set it aside" awaiting desired, or proper, shipping time.

Late Shipments. Our land is cooled and vegetation kept dormant by proximity to Lake Erie, several weeks later than other sections of corresponding latitude. This enables us to dig and ship stock in perfect condition after trees in most other sections are in full leaf, and to supply the slowly warming points further north.

Non-Warranty. While we hold ourselves in readiness, on proper proof, to replace free of charge all trees, etc., that may prove untrue to label, or refund the amount paid, we give no warranty expressed or implied as to description, quality, productiveness or any other matter of any Nursery stock, seeds, bulbs or plants we sell.

(Signed) **THE STORRS & HARRISON CO.**

Our Guarantee. All goods are guaranteed to reach you in good condition; mistakes, if made, will be promptly rectified. Accept shipment, examine and count on receipt and notify us at once should there be any errors, and the carrier as well, if any damaged stock. This guarantee not good unless above requirements are complied with. We do not guarantee continued growth. Remember a tree, shrub or plant is a living organism, as much as a cow, horse or man. It breathes, drinks and feeds, and is liable to attacks of disease and insects. At prices we sell, it is impossible for us to guarantee growth or to be responsible for stock after delivery to our customers in good condition.

THE STORRS & HARRISON CO., Painesville, Ohio.

Remittances should be made by post-office or express money order, bank draft or registered letter. Remittances in any other way are entirely at sender's risk.

Postpaid by Mail. We deliver postpaid to any post-office in the United States any article in this catalogue offered by mail.

Please bear in mind that parcel post shipments are limited in weight and volume, thus restricting mail service to small sized articles and rather small quantities.

Express Preferable. We do not prepay express charges. Where distance is not too great it is best to order by express; stronger stock in better condition can be sent, and if goods are miscarried or damaged, they can be more easily traced and damage rectified.

Catalogues. The following editions (except No. 1) free to all planters:

No. 1—One of the best descriptive catalogues issued; offering and describing a full line of fruit and ornamental trees, grape-vines, small fruits, roses, shrubs, climbing vines and hardy plants, with instructions for planting, spraying, etc., profusely illustrated with half tone cuts from photographs of desirable specimens. Price 10 cts.

No. 2—This one.

No. 3—Holland and other bulbs for fall planting, winter blooming plants, hardy perennial plants, shrubs, fruits, small fruits, grape vines, etc., issued during August.

Orders less than \$1. We cannot afford to fill orders of less amount than one dollar, unless, in addition to amount for plants wanted, ten cents is sent. This does not apply to Seed orders.

SEED DEPARTMENT

Our Seed Trade is entirely through this catalogue. It is the only agent we employ. We send out no seeds to be sold again on commission, but deal direct with the planters; thus devoting all our resources to supplying them with the best and finest stocks obtainable at the lowest reasonable cost. The substantial increase in business each year, rewards our policy, and proves that our seeds are meeting the requirements of particular planters.

Days Required. We have placed in figures after the name of most varieties of vegetables, the approximate number of days required from seed sowing, for that variety to reach the state when it is ready for harvest and market. This feature has received much commendation from our customers for the valuable service it renders them. These figures are based upon tests made in our own locality under average growing conditions. It should be borne in mind, however, that as location, climate, rainfall and soil all have so much to do with crop production, the number of days given will vary with differing conditions.

About Prices. At prices named, all Seeds you may order in Packets, Ounces, Half-Pounds, Pounds or Two Pounds, will be delivered by mail, postpaid. If ordered delivered by express or freight, deduct from such prices at the rate of ten cents for each pound.

Unless noted, all other quantities larger than two pounds will be sent at purchaser's expense, whether by Mail, Express or Freight.

Guarantee of Genuineness. While we exercise great diligence and care to have all of our seeds true to name, and hold ourselves in readiness, on proper proof, to replace free of charge all Seed that may prove untrue to name, or refund the amount paid; it is mutually understood and agreed to between the purchaser and ourselves, that our guarantee of genuineness shall in no case make us liable for any sum greater than that originally received for said Seeds that prove untrue.

(Signed) THE STORRS & HARRISON CO.

VEGETABLE SEEDS

HERE IS A COMPLETE VEGETABLE GARDEN; 25 PKTS.—25 KINDS OF CHOICEST VARIETIES; FULL SIZED PKTS.; AGGREGATE VALUE \$1.80

BARGAIN "A" COLLECTION

DELIVERED TO YOUR HOME
BY MAIL POSTPAID, FOR

\$1.00



| | | | |
|--|--------|--|--------------|
| 1 Packet Beans, Hodson Wax..... | \$.10 | 1 Packet Parsley, Moss Curled..... | \$.05 |
| 1 Packet Beet, Crimson Globe..... | .05 | 1 Packet Parsnip, Hollow Crown..... | .05 |
| 1 Packet Cabbage, All Head Early..... | .10 | 1 Packet Peas, Nott's Excelsior..... | .10 |
| 1 Packet Carrot, Chantenay..... | .05 | 1 Packet Pepper, Ruby King..... | .10 |
| 1 Packet Cauliflower..... | .20 | 1 Packet Radish, Scarlet Globe..... | .05 |
| 1 Packet Celery, White Plume..... | .10 | 1 Packet Radish, Icicle..... | .05 |
| 1 Packet Corn, Golden Bantam..... | .10 | 1 Packet Salsify..... | .05 |
| 1 Packet Cucumber, Davis Perfect..... | .05 | 1 Packet Spinach..... | .05 |
| 1 Packet Egg-Plant..... | .10 | 1 Packet Squash, Giant Summer Crookneck..... | .05 |
| 1 Packet Lettuce, Denver Market..... | .05 | 1 Packet Squash, Hubbard..... | .05 |
| 1 Packet Musk-Melon, Early Hackensack..... | .05 | 1 Packet Tomato, Spark's Earliana..... | .10 |
| 1 Packet Water-Melon, Cole's Early..... | .05 | 1 Packet Turnip, Purple Top White Globe..... | .05 |
| 1 Packet Onion, Ohio Yellow Globe..... | .05 | 25 Packets..... | Value \$1.80 |

ARTICHOKE

Raised for the young green flower heads which are usually boiled or baked and eaten with a butter sauce.

CULTURE. To obtain globes the first year, the seed should be sown in February or March and kept growing until the weather is suitable to transplant to the open ground. Seed sown in May will not bear globes until the following year. Transplant into rows three feet apart, setting the plants two feet apart in the row. Protect through the winter by mulching and earthing up around the plants.

Green Globe. This is the very best variety. Large elongated green heads, very tender and delicious. Pkt. 10 cts., oz. 75 cts.

ASPARAGUS

One ounce to fifty feet of drill

PRICE. Pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. \$1.00.

CULTURE. Seed of asparagus should be sown early in the spring, in drills two inches deep. When seedlings are one or two years old, transplant (for the family garden) twelve to eighteen inches apart in the row, and cover crowns to a depth of two inches. For commercial usage plant in rows four to five feet apart, placing crowns eight to ten inches apart in the row.

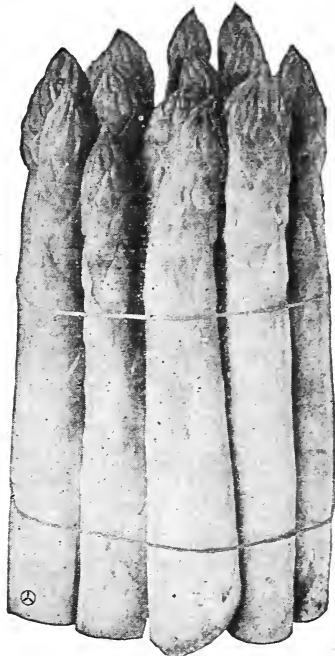
Columbian Mammoth White. (2 years) This is a very vigorous growing sort producing splendid white shoots of the very finest quality.

Conover's Colossal. (2 years) A well known standard variety, very large strong shoots of excellent quality, not as clear white as Mammoth

White, but preferred by many.

Palmetto. (2 years) The very earliest variety of the green type and delicious flavor; very popular and profitable as a market variety.

ROOTS of above are offered under Fruit Department



BEANS

Columbian Mammoth White

ALL BEANS. Prices quoted for packets, half-pound, pound, and two pounds are postage paid by us. If ordered by express or freight, deduct 10 cts. per pound from postpaid rate. **CULTURE.** A light loam is best. Plant as soon as the ground has become thoroughly warm, in rows from two feet for hand cultivation, to three feet apart for horse cultivation, and every two weeks for a succession. Cultivate thoroughly and often, keeping a mulch of loose soil at all times; but when in bloom, cultivate shallow, as deep cultivation at this time causes many blossoms to drop, decreasing the yield. *One pound for fifty feet of row. 45 to 100 pounds per acre.*

GREEN PODDED BUSH SORTS

Black Valentine. (40 days) Vigorous growing; very long and slender round pods of exceptional quality. For very early planting it stands cold and damp soil better than any other sort. Absolutely rust proof, seed black. Pkt. 10 cts.,

½ lb. 20 cts., lb. 35 cts., 2 lbs. 60 cts. 10 lbs. or more by express at 20 cts. per lb.

Red Valentine. (43 days) This is an early standard variety that is hard to beat. Pods of medium length, round, very fleshy and tender and of good flavor; seed long, of medium size. Pkt. 10 cts., ½ lb. 20 cts., lb. 35 cts., 2 lbs. 60 cts. 10 lbs. or more by express at 20 cts. per lb.

Red Kidney. (60 days) Large flat pods well-filled with large, red, kidney-shaped beans. One of the best varieties for use as a dry cooking bean, always in demand. Pkt. 10 cts., ½ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts. 10 lbs. or more by express at 25 cts. per lb.

Stringless Green Pod. (42 days) One of the earliest and most hardy, producing an abundance of handsome round pods, many of which measure six inches in length, practically stringless. In addition to the excellence of its eating quality, and stringlessness, this variety has a long bearing season, which makes it very desirable for the small garden. Seed dark brown. Pkt. 10 cts., ½ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts. 10 lbs. or more by express at 25 cts. per lb.



Artichoke Green Globe



YELLOW PODDED or WAX BUSH BEANS

Davis Kidney Wax. (40 days)

This returns a large yield of handsome pods which are long, flat, clear waxy white and do not stain in canning. One of the best sorts for market as it ships well, delivering in good condition. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts. 10 lbs. or more by express at 20 cts. per lb.

Detroit Wax. (45 days)

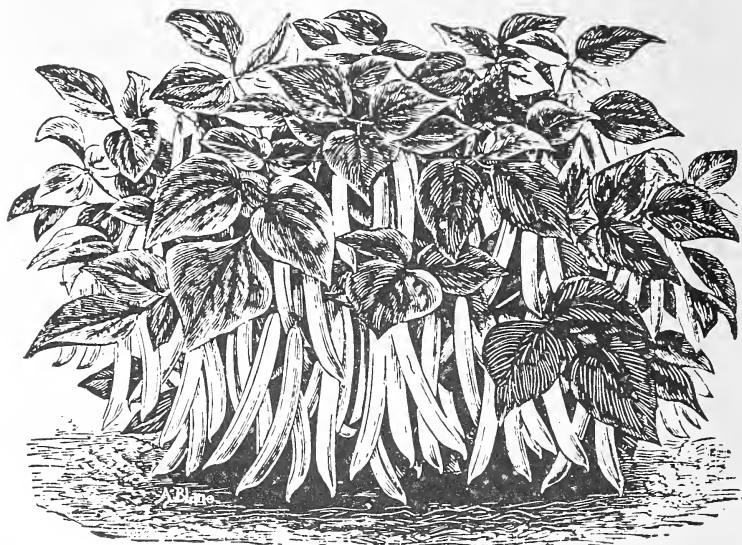
The erect plants of this early dwarf variety are hardy and productive. Pods are of an attractive bright yellow color, broad and flat, four to five inches long. An excellent sort for market, shipping or home use. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts. 10 lbs. or more by express at 25 cts. per lb.

Improved Golden Wax.

(40 days) One of the earliest on the market.

Pods are of good length, oval, quite thick and broad, entirely stringless; of a clear, waxy, golden yellow, and fine buttery flavor. Seed white, mottled brown. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 2 lbs. 60 cts. 10 lbs. or more by express at 20 cts. per lb.

Hodson Wax. (50 days) A vigorous grower and the yield of large handsome pods is enormous. Their color is a clear creamy white; very long, straight or slightly curved, flat but fleshy. While late in maturing, the remarkable vigor of the plant is an effectual safeguard against blight and other bean disease. Seed light yellowish brown; splashed with dull crimson. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 2 lbs. 60 cts. 10 lbs. or more by express at 20 cts. per lb.



Improved Golden Wax

Round Pod Kidney Wax. (40 days)

Two characteristics of this bean, which make it at once popular upon the first trial, are its freedom from disease and the abundance of pods. The fleshy round pods hang thickly on the plants, are of fine flavor, stringless and free from rust. The pods are of a beautiful lemon yellow, larger than those of Wardwell's which mature a few days later. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts. 10 lbs. or more by express at 25 cts. per lb.

Wardwell's Kidney Wax. (48 days)

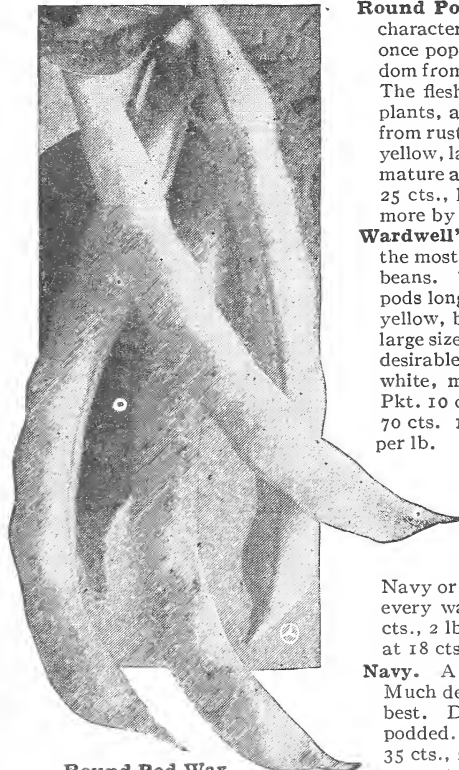
One of the most popular in this section of all the wax beans. The strong vines yield abundantly, pods long, flat, broad and of a delicate waxy yellow, brittle and of the best quality. The large size of the pods make this sort especially desirable for either home or market use. Seed white, mottled with dark around the eye. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts. 10 lbs. or more by express at 25 cts. per lb.

FIELD BEANS

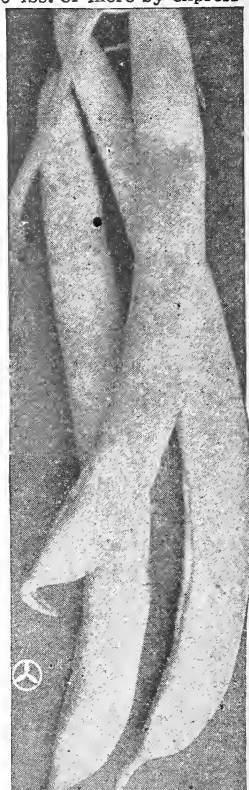
White Marrow. (60 days) Extensively grown for sale as a field bean for winter use. Seeds large white, twice the size of the

Navy or Pea bean, to which it is superior in every way. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 2 lbs. 60 cts. 10 lbs. or more by express at 18 cts. per lb.

Navy. A sure cropper and very productive. Much desired for baking as the quality is the best. Dry beans, small, oval, white; green podded. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 2 lbs. 60 cts. 10 lbs. or more by express at 18 cts. per lb.



Round Pod Wax



Hodson Wax

POLE OR RUNNING BEANS

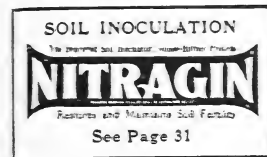
Plant from 10th to 15th of May in this latitude. The soil should be well enriched. Set poles four feet apart each way and plant six to eight beans around them; when well started, thin to three plants to each hill. The pole Limas are separately offered under "Lima Beans".

Early Golden Cluster Wax. (72 days) The finest of all the wax podded pole beans. It bears profusely its large, flat, golden yellow pods in clusters of three to six from bottom to top of pole, and continues in bearing long. Seed white. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 80 cts., 10 lbs. or more by express at 28 cts. per lb.

Old Homestead or Kentucky Wonder. 65 days An excellent green podded variety; enormously productive, the long pods hanging in great clusters along the entire vine. Seed dark brown. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts., 10 lbs. or more by express at 25 cts. per lb.

Lazy Wife. (70 days) One of the best for snaps of the later green podded Pole Beans. Pods borne in large clusters, are long, broad, thick, fleshy. Dry beans are excellent for winter use. Seed white. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts.

Horticultural or Wren's Egg. (75 days) This is the corn field favorite, the so-called October pole bean. Does equally as well planted in corn as on poles. Bean large, round, pink striped with red, of excellent flavor, used in pods or shelled, pods light green striped with red. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts.



LIMA BEANS

Being tender and liable to rot in the ground if it is cold and wet, must be planted later, say about the last of May or first week in June. Plant about one inch deep, with the eye down. Seed is very large, flat and usually white.

POLE LIMAS

Set poles three feet apart at time of sowing. Be liberal with seed, but thin to three or four plants.

Carpinteria. A new early variety which bears abundantly, with three to five large, meaty beans to the pod. These are of rarest flavor and quality, retaining their distinguishing green color even after being dried. We would say this sort is one of the very

Kentucky
Wonder
Pole
Bean

best. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 10 lbs. or more by express, at 30 cts. per lb.

Early Leviathan. (75 days) Very productive, pods contain from 3 to 4 large tender beans of the best quality and fine flavor. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 10 lbs. or more by express at 25 cts. per lb.

Giant Podded. (90 days) A prodigious cropper, with great clusters of well filled pods, both pod and beans very large. A little earlier as a rule than King of the Garden; of excellent quality. Pkt. 10 cts., $\frac{1}{2}$ lb. 30 cts., 2 lbs. 50 cts., 10 lbs. or more by express at 30 cts. per lb.

King of the Garden. (90 days) A vigorous grower bearing profusely. The beans are of good size and have a flavor unsurpassed by any variety. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 10 lbs. or more by express at 25 cts. per lb.

BUSH LIMAS

Identical with the pole varieties in size of pods. Plant in three foot rows, four inches apart; or in hills, two feet apart in the row.

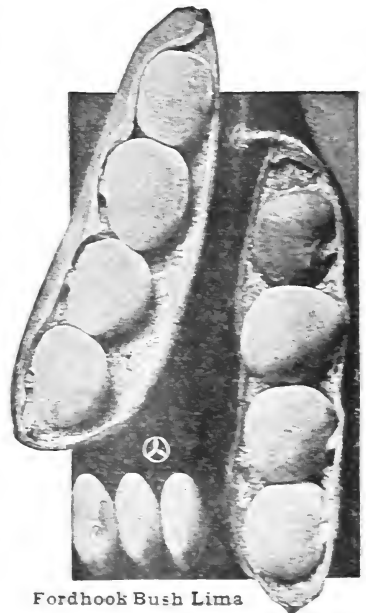
Burpee Improved Bush Lima. (65 days) Excellent flavored beans, borne on large vigorous plants. Extremely prolific, hanging in enormous clusters. Pods contain from four to six beans of greenish white color. Pkt. 10 cts., $\frac{1}{2}$ lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts., 10 lbs. or more by express at 30 cts. per lb.

Fordhook Bush Lima. (60 days) This is of an ideal bushy growth with stiffly erect stem and branches. It is an enormous bearer of plump well-filled pods which are borne in clusters of four to six, all ready for use at the same time. The beans are large, thick, and of most excellent quality. Pkt. 10 cts., $\frac{1}{2}$ lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts., 10 lbs. or more by express at 30 cts. per lb.

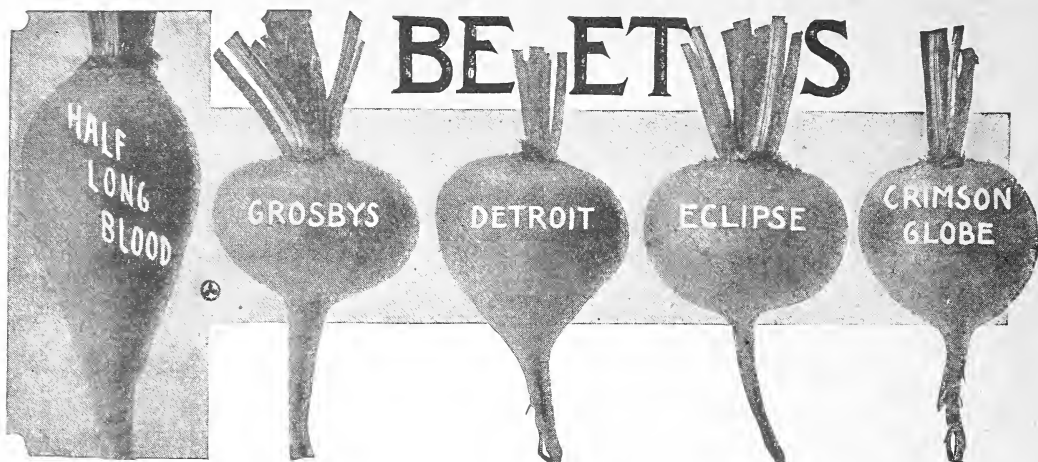
BRUSSELS SPROUTS

Highly esteemed for boiling during the late fall and winter months. The sprouts resemble miniature cabbages, growing closely to the stalk of the plant, being produced in abundance from tip to ground level. Quality and flavor much improved by frost. Seed should be sown thinly in drills early in June, the plants reset when six inches high into rows 3 to 4 feet apart, 18 to 24 inches apart in the row.

Improved Dwarf. (125 days) Grows 1 $\frac{1}{2}$ feet high, and is very productive, of best quality. Pkt. 5 cts., oz. 30 cts.



Fordhook Bush Lima



Beets for best results should have a rich loam soil. Land that has been well fertilized for a previous crop is a good situation. In preparing your seed bed, pulverize until as fine a bed as is possible to make is secured. Cultivate thoroughly and often. Sow as early as ground can be worked, in drills from twelve to eighteen inches for hand culture, to two and one-half feet for horse cultivation, cover to a depth of one to two inches. Continue sowing every ten days for a succession. Thin to a stand of four to six inches apart in the rows. *One ounce to sixty feet of drill; five to six pounds per acre.*

Crimson Globe. (45 days) Of fine shape, with a smooth and attractive dark red skin and small tap root. The interior is a rich deep crimson and fine grained in texture. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

Crosby's Egyptian. (40 days) Improved strain of Early Egyptian. As early, thicker, smoother, better color and quality than its parent. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

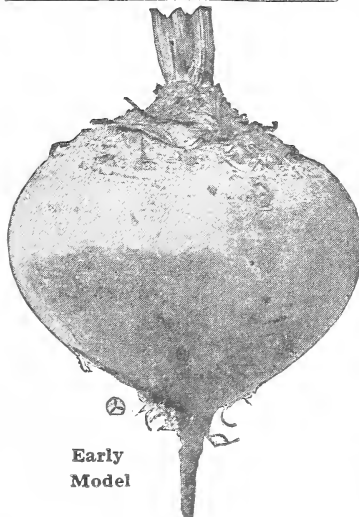
Detroit Dark Red Turnip. (50 days) One of the best sorts for both market and home garden. Roots globular; smooth skin, dark blood red; flesh bright, tender, sweet. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

Early Model. (45 days) Extremely early, of perfect globe shape, and fine quality. The beets are always smooth, of the deepest blood red color and quickly attain a good size. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

Eclipse. (45 days) Remarkable for its early growth and extra fine quality. Smooth and round; skin and flesh red, fine grained and sweet. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Half-Long Blood. (65 days) The best for winter use. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Swiss Chard Lucullus.



Early
Model

The plants grow to a height of two to two and one-half feet. The stalks are heavily ribbed, and from ten to twelve inches long below the leaf; are delicious when cooked, and served in the same manner as asparagus. The leaves are large, heavily crumpled or "savoyed," crisply tender and of fine flavor. The leafy portion of the foliage is cooked and served in the same manner as spinach. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Swiss Chard

SUGAR BEETS and MANGEL WURZELS

The directions for beet planting answer for sugar beets and mangel wurzels, except that these should be drilled in rows $2\frac{1}{2}$ feet apart and thinned to 8 to 12 inches in the row. Thorough and frequent cultivation is essential when beets are young. Discontinue cultivation as soon as the roots mature, which state is indicated by drying of leaves. Further cultivation injures them by inducing new growth. Store in earth covered heaps.

Giant Half Sugar Rose. (95 days) White, with a rosy top; flesh pure white. Yields enormously.

Golden Tankard. (95 days) A golden fleshed mangel; roots half long and very large.

Klein Wanzleben. (65 days) 100 tons have made 18 tons of sugar.

Mammoth Long Red. (115 days) Long smooth roots of large size.

PRICE OF MANGELS—Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts. 10 lbs. or over by express at 60 cts. per lb.

Copenhagen Market



CABBAGE

CULTURE. The early varieties should be sown very early in the spring in hot bed or later in open ground. Plant out 18 inches by two feet apart. The late varieties are usually sown by the last of May and the plants set out in July, in rows three feet apart and two feet apart in the rows. One ounce will produce 3,000 plants. One-quarter pound of seed in beds enough for an acre.

All Head Early. (90 days)

Of the flat head type. The earliest of all large cabbage. They are solid. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

American Drumhead Savoy. (110 days)

The Savoy's excel all other cabbages in flavor, and this is the best of the Savoy's. Pkt. 5 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.00.

Charleston or Large Wakefield. (85 days)

Popular with market gardeners in the south. About a week later than Early Jersey Wakefield, but larger. Pkt. 5 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.00.

Copenhagen Market. (75 days) Fully as early as Early Jersey Wakefield. Produces magnificent heads averaging in weight nearly eight pounds. Their quality is superior and they are just as solid in spring as when put away in the fall. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Danish Ball Head. (120 days) Dutch Winter or Hollander. The heads are of medium size, solid and deep, averaging in weight nearly eight pounds. Their quality is superior and they are just as solid in spring as when put away in the fall. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.00.

Early Jersey Wakefield. (75 days) This is the hardest and hardest heading of the extra early sorts, and most Northern gardeners depend upon it for their first crop. Pkt. 5 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Eukhuizen Glory. (80 days) An excellent early variety that has become very popular with the market gardeners. Heads are medium sized, dark green color, solid and heavy. Pkt. 5 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.00.

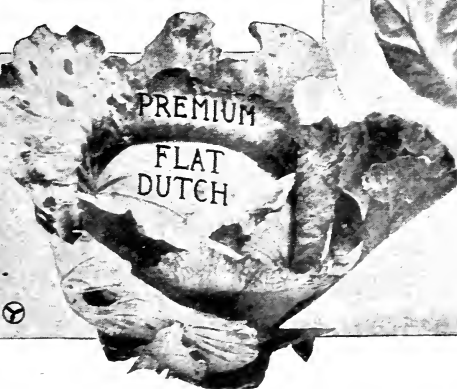
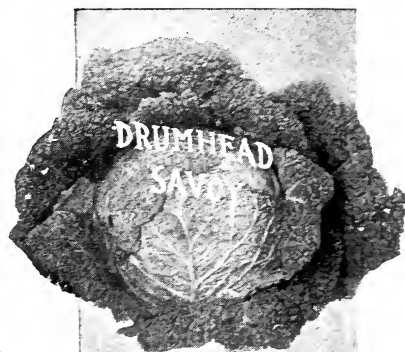
Early Spring. (80 days) The earliest of the flat headed varieties of cabbage. Produces a compact head upon a short stem. Quality is of the best, sweet and tender. Pkt. 5 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.00.

Odense Market. (110 days) A superior variety of red cabbage. Dark red in color, heads medium sized, hard and heavy. Desirable for pickling and salads as well as general use. Pkt. 5 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25.

Premium Flat Dutch. (110 days) A good cabbage for late use. It possesses all the good qualities of the late Flat Dutch, and is a sure header. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 80 cts., lb. \$2.50.

Sure Head. (100 days) Makes a solid large head, with few outer leaves. A strong, vigorous grower, ripening late. Pkt. 5 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.00.

Mammoth Red Rock. By far the best, largest and hardest heading Red Cabbage ever introduced. The plant is large, with numerous spreading leaves, and the head large, very solid, and of deep red color inside as well as outside. Pkt. 5 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1.00.



CHINESE CABBAGE

CULTURE. For early use sow in hot bed in February or March. When four inches high transplant, if the weather is suitable, one foot apart in two and one-half foot rows. For late or main crops, sow in August or early September.

Pe Tsai. While not a cabbage, it is closely related, both belonging to the Brassica family. When well grown, makes a head 15 inches long and 4 to 5 inches in diameter, blanching to a beautiful white. May be eaten as a salad or is delicious when cooked in the various ways cabbage is served. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.00.



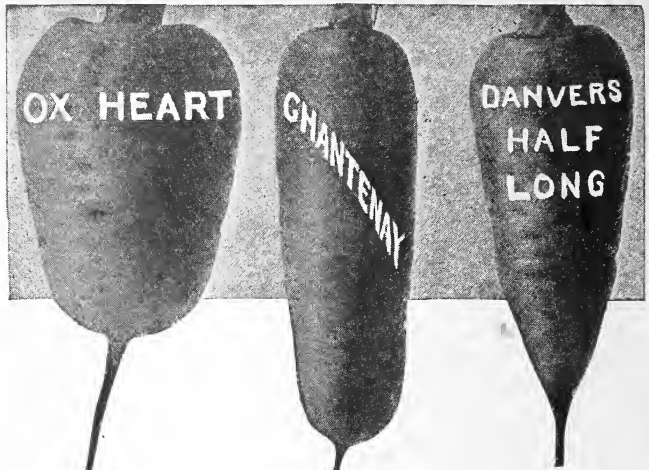
Pe Tsai—(Chinese Cabbage)

CAULIFLOWER

CULTURE. Make the soil as fine as possible for every transplanting, and do not allow the young plants to become checked at any time for want of water. For spring and early summer use, sow in January or February in hot bed, and transplant to cold frame when sufficiently large, and to the garden as soon as the ground is warm enough. For late autumn crops, sow in the early part of June, and transplant in July.

Danish Giant or Dry Weather. (100 days) A late variety and a splendid drouth resister. Heads are large and while not so close as Snowball or Erfurt it makes a splendid pickling type. Sure header in even the dryest weather. Pkt. 20 cts., $\frac{1}{4}$ oz. 80 cts., $\frac{1}{2}$ oz. \$1.50, oz. \$2.50.

Early Snowball. (90 days) Very early, and one of the surest to head. If seed is sown March 1st, large-sized heads will be produced early in June. Its dwarf habit of growth renders it one of the best for forcing under glass. Valuable for late planting also. Pkt. 20 cts., $\frac{1}{4}$ oz. 80 cts., $\frac{1}{2}$ oz. \$1.50, oz. \$2.50.



Three Favorite Varieties of Carrots

CARROTS

CULTURE. Cover the seed about one-half inch in depth, and press the soil firmly over the seed with the feet or a roller. For early use sow as early in the spring as the ground can be worked, and for late crop from May 1st to June 1st. Sow in drills 15 inches apart and thin to three or four inches apart in row. Two and one-half pounds of seed will sow an acre, or one ounce to 200 feet of drill.

Chantenay. (60 days) Uniform and intermediate in size and shape. The flesh is of a deep golden orange color. For table use one of the best. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

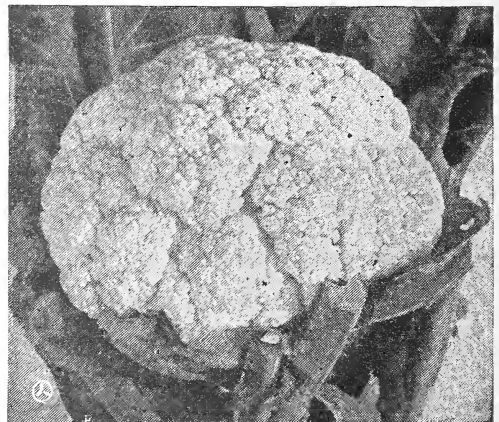
Danvers. (75 days) A smooth carrot of good size. One of the best for stock feeding. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

Guerande or Ox-Heart. (75 days) A variety good either for family use or market, and profitable for feeding. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

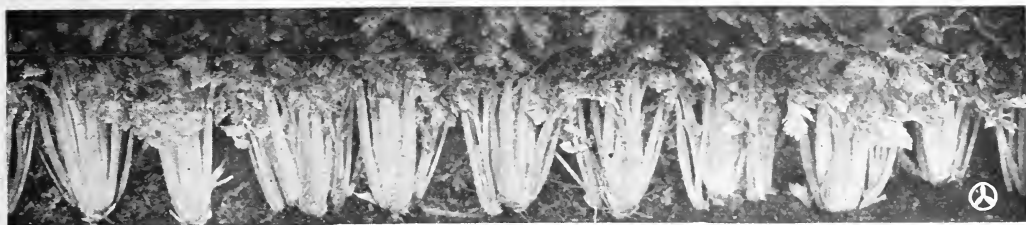
Improved Long Orange. (75 days) A long variety. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Improved Nantes. (65 days) A fine quality half-long carrot, almost cylindrical in shape, blunt end and very small tap root. Flesh fine grained, with very little core. The skin is a beautiful orange color and very smooth. Improved Nantes is one of the best table sorts that we list. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Large White Belgian. (90 days) Giant stock feeder. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 80 cts.



Early Snowball Cauliflower



Edible "Boquets"—Giant Pascal Celery

CELERY

One ounce of seed will produce from 3,000 to 5,000 plants

CULTURE. Sow seed in the open ground, as soon as the soil can be worked into a perfect seed bed, cover lightly and roll or firm the covering soil as the seed is slow to germinate and you must retain the moisture. Sowing in rows from ten to twelve inches apart is preferable to broadcasting; by this means cultivation may be kept up, allowing no check in the growth. Cut tops occasionally to make stocky growth.

Transplant in July to a previously prepared bed made considerably richer than seed bed, plant in single or double rows; if single rows, four feet apart and six to eight inches in the row; if double rows, rows may be made ten inches apart, skip six feet and plant another double row and so on. This method allows of double returns with the same labor in hilling, if soil is rich enough to support.

Columbia. (110 days) An early maturing sort, unsurpassed in shape and quality. The plant is of medium height, but very stocky and heavy. The stalks are thick, almost round, in color the rich yellow tint of Golden Self-Blanching, which it resembles very much in appearance. The foliage is a distinct light green with a tinge of yellow. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.20, lb. \$4.00.

Easy Blanching. (110 days) Crisp and delicious, attractively colored. Plants set out in June are fully matured and ready for use early in September. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$3.00

Golden Self-Blanching. (110 days) One of the most desirable of all for earliness, excellence of quality and ease of growth. Rarely, if ever, pithy; and of a rich golden yellow color. Our seed is genuine French grown and of finest quality. Among market gardeners this is the variety that is in greatest demand. As the name implies it is also self-blanching. Pkt. 10 cts., $\frac{1}{2}$ oz. 60 cts., oz. \$1.00, $\frac{1}{4}$ lb. \$3.50.

Giant Pascal. (135 days) A variety for second early and midwinter use. The stalks are large, thick, solid, crisp and of a rich nutty flavor, free from bitterness. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

White Plume. (120 days) Its eating qualities are excellent, while its white feather-like foliage places it ahead of all others as a table ornament. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

Winter Queen. (140 days) This is one of the finest varieties for winter use. Makes a stocky, vigorous growth, which blanches easily to a beautiful creamy white. Hearts are large and solid but very crisp and tender. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. 85 cts.

Celery for Flavoring. Germination is too poor for use as seed, but is excellent to use for flavoring soups, pickles, etc. Oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 65 cts.

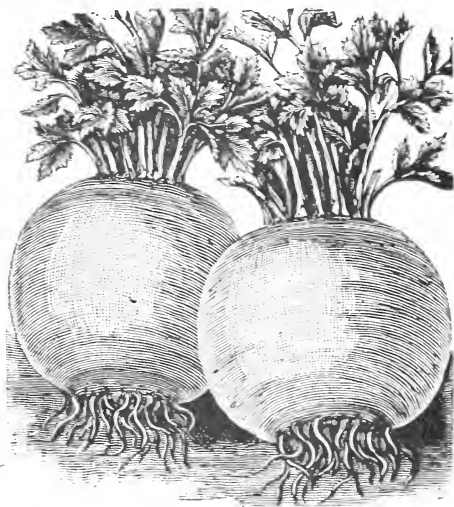
Celeriac Giant Prague. (125 days) The root is turnip-shaped, sweet and tender, and may be cooked like turnips or eaten like radishes; used largely for seasoning meats and soups. Pkt. 5 cts., oz. 35 cts., $\frac{1}{4}$ lb., 75 cts., lb. \$2.50.

COLLARDS

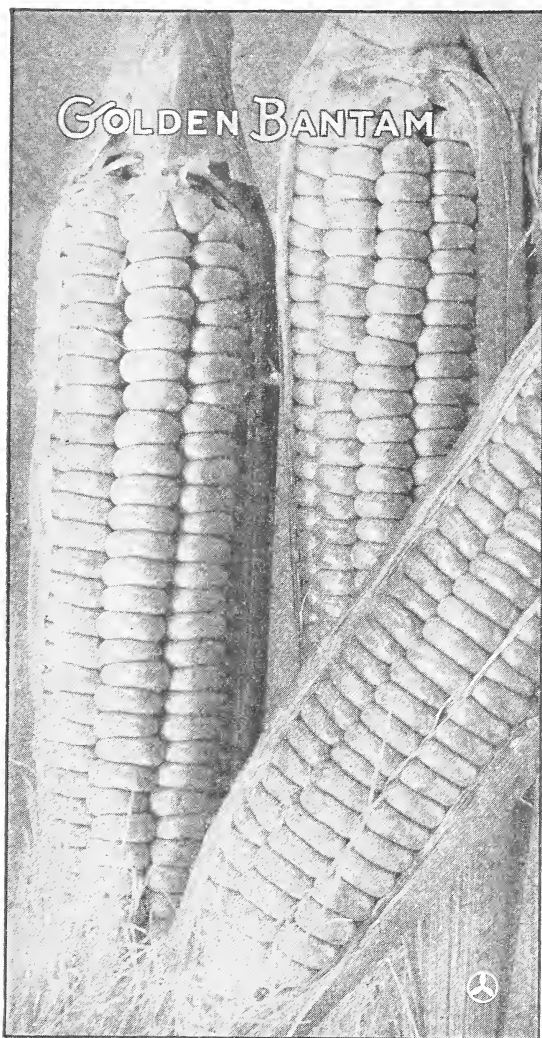
Georgia. Forms a loose head of cabbage-like leaves which are largely used for greens. May be used as soon as large enough, but are improved with frosts. Sow seed in open ground, and when well started thin to 15 inches apart in the row. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts.



Golden Self-Blanching Celery



Giant Prague Celeriac



SWEET CORN

Please note that prices quoted for Pkt., $\frac{1}{2}$ lb., lb. and 2 lbs. are postage paid by us. If ordered by express or freight, deduct 10 cents from pound rate.

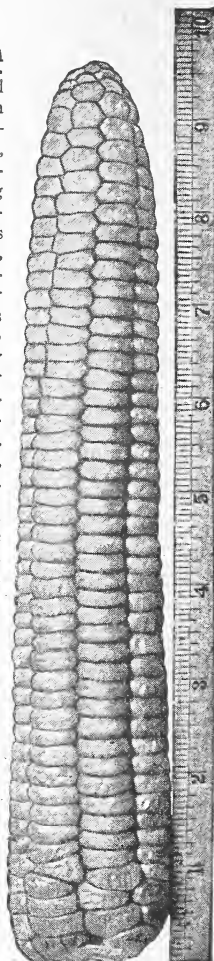
One pound plants 150 hills; eight to twelve pounds per acre; in drills or broadcasted for fodder 20 to 50 pounds per acre.

EXTRA EARLY VARIETIES

Golden Bantam. (60 days) Whatever the reason, you all know it for a fact that this is the most popular sweet corn ever used. "Golden Bantam" is a household word. Older, contemporaneous and future varieties must compare with it for rating. Matures with the earliest and by making a planting every two weeks, may be had from early summer until frost. Kernels are a rich golden yellow, tender, with a flavor exceptionally rich and pleasing. Ears are eight rowed, six to seven inches long, just the right size for serving on the cob. Sweetest of all corns. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 2 lbs. 60 cts. 10 lbs. or more by express at 18 cts. per lb.

Barden's **Wonder Bantam**

(60 days) This improved type exemplifies Golden Bantam at its best,—early, richly colored, plump, juicy and distinctively flavored; but going further towards perfection from the Marketer's and Canner's standpoint, Barden's Wonder produces higher up on taller stalks (5 to 6 feet); ears much longer (8 to 10 inches long), thus greatly increasing the tonnage per acre and consequent profit, at no sacrifice of earliness or Bantam quality. Pkt. 15 cts., $\frac{1}{2}$ lb. 35 cts., lb. 60 cts., 2 lbs. \$1.00.



Barden's Bantam

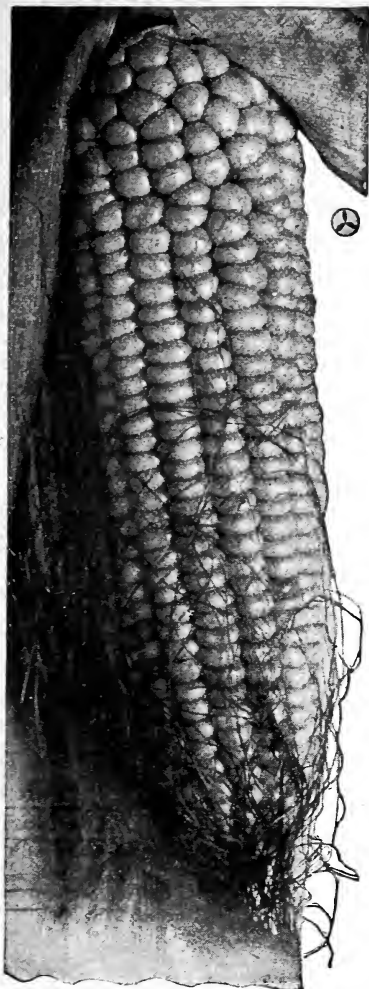
Extra Early Adams. (52 days) Not a sweet corn, but is so hardy that a planting may be made before it is safe to plant the sweet varieties. Roasting ears may be had extremely early and are of good quality. Pkt. 10 cts., $\frac{1}{2}$ lb. 15 cts., lb. 25 cts., 2 lbs. 45 cts. 10 lbs. or over by express at 13 cts. per lb.

Howling Mob. (65 days) This is a very popular variety. It is the largest eared of all the early sorts and usually produces two ears to the stalk. Ears from 7 to 9 inches long, well protected with husk, kernels large and pure white. A fine variety for market. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 2 lbs. 60 cts. 10 lbs. or more by express at 18 cts. per lb.

Kendel's Early Giant. (65 days) Early, yet the ears grow to a remarkable size, measuring 8 to 10 inches in length, with usually 12 rows to the ear. Kernels are pure white and of splendid eating qualities. This variety is a prime favorite with the market gardener and is an excellent sort for the home garden. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 30 cts., 2 lbs. 50 cts. 10 lbs. or more by express at 15 cts. per lb.

Plant Sweet Corn in hills 3 feet apart each way, or in 4 foot rows with hills a foot apart. Cover only a half inch; and thin out to three plants to a hill.

Mammoth White Cory. (65 days) Large ears with twelve rows of perfectly formed kernels. The grains are large, pure white and of excellent quality. For an early pure white sugar corn this old favorite is unsurpassed by any. Pkt. 10 cts., $\frac{1}{2}$ lb. 15 cts., lb. 25 cts., 2 lbs. 45 cts. 10 lbs. or more by express at 15 cts. per lb.

**Bantam Evergreen**

MEDIUM EARLY CORN

Bantam Evergreen. (70 days) Bantam Evergreen is the result of a cross between Golden Bantam and Stowell's Evergreen. It has inherited all the good qualities of both parents. It is as sweet as Golden Bantam, the same beautiful color, but in addition has an ear nearly as large as Stowell's. The kernels are deep grained, plump, a beautiful cream color at the eating stage. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 2 lbs. 60 cts. 10 lbs. or more by express at 18 cts.

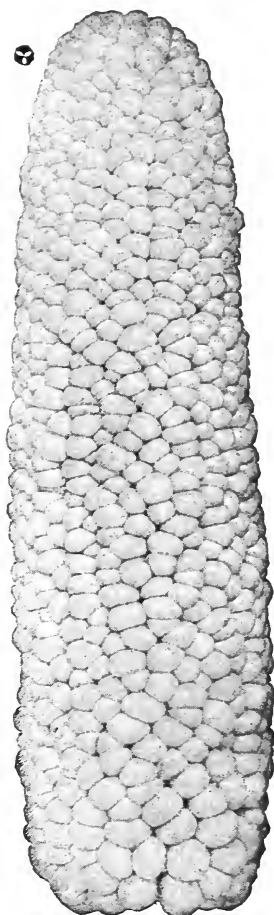
Country Gentleman. (70 days) This is sometimes known as shoe-peg from the small peg-like kernels, irregularly placed on the cob. Medium sized ear, with small cob, giving great depth to the kernels. The quality of this variety is fine and is preferred by some to all others. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 2 lbs. 60 cts. 10 lbs. or more at 18 cts. per lb.

LATE VARIETIES

Black Mexican. (75 days) One of the most sugary. The grains when first perfected are pure white, and at their best. They then become dark, though still retaining their sweetness. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 2 lbs. 60 cts. 10 lbs. or more at 18 cts. per lb.

Stowell's Evergreen. (80 days) The old popular variety. Hardy and productive, tender and sugary, remaining a long time in a condition suitable for eating. A good sort to plant for fodder, as it makes a rank growth of heavy forage. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 30 cts., 2 lbs. 55 cts. 10 lbs. or more by express at 18 cts. per lb.

White Evergreen. (75 days) This produces large handsome ears, well filled with deep pure white grains of delicious sweetness. Matures slightly earlier than Stowell's Evergreen, which it greatly resembles, and is very hardy. An excellent corn for home use and is a ready seller on the market. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 30 cts., 2 lbs. 55 cts. 10 lbs. or more at 18 cts. per lb.

Country Gentleman

POP CORN

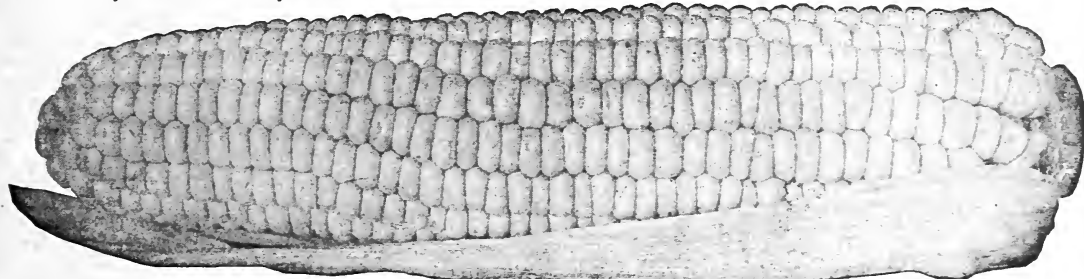
Pkt. 10 cts., lb. 25 cts., 2 lbs. 40 cts. 10 lbs. or more by express at 15 cts. lb.

Queen's Golden. The stalk grows five to six feet high and bears two or three large ears each. The kernels are a rich yellow color but pop out pure white and over an inch in diameter.

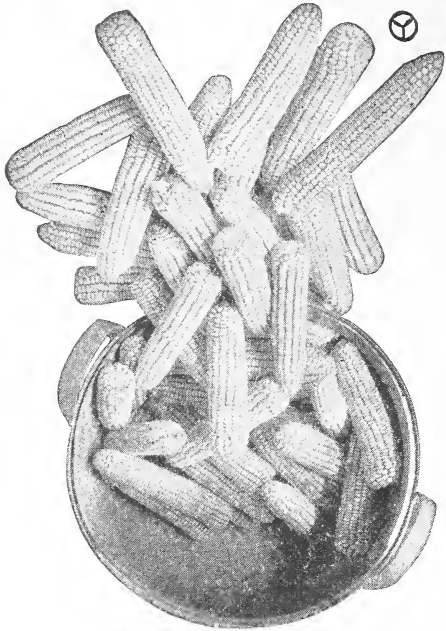
White Rice. Ears short, kernels long and pointed, resembling rice; color white. A splendid popping variety and finds a ready sale.

SWEET CORN for FODDER

There is nothing better for green-feed or curing for forage than Sweet Corn. Cattle highly relish it and keep in fine condition when fed upon it. Dairy cows who receive a regular ration of corn-fodder give an abundance of milk. Also excellent for soiling. Sow thickly in drills, or broadcast at the rate of 2 bu. per acre. 10 lbs. or more by freight or express at 10 cts. per lb.; 100 lbs. at 8 cts. per lb.

**Stowell's Evergreen**

FIELD CORN



White Cap Yellow Dent

Drought-Proof Yellow

(90-100 days) This variety resists dry

weather and scorching heat better than any other sort. It is a large grained Dent, earlier than Leaming. Grain is a bright golden yellow. Stalks are strong and heavy, bearing large well shaped ears. Heavy producer, being exceeded by no other in yield per acre. The beautiful deep grains, large handsome ears, and the abundance of fodder make it a variety to be desired for general use.

Improved Leaming (100 days)

One of the most desirable varieties of standard yellow corn. Being a medium early sort it will mature farther north than many varieties and is adapted to all but the most northern parts of the corn belt. The ears are large, of good shape, and well filled with deep grains. This variety is excellent for fodder or silage as the tall stalks are well filled with foliage.

Im-
proved
Leaming

CORN is king of all the cereals. Upon this crop is dependent much of the wealth and prosperity of the country. Statistics show that the average yield of corn in the United States is less than thirty bushels per acre. While weather conditions play an important part in the yield of any crop, the poor showing made in corn is largely due to carelessness in the seed planted. Many farmers pay no attention to the quality or germinative power of seed they use. By planting selected seed, known by test to be of high germination, much of this loss could be prevented and the yields greatly increased. Northern grown corn has long held the reputation of being superior to all others for seed purposes. It is more hardy and ripens earlier. Our seed corn is all Northern Ohio grown along the shores of Lake Erie. It is hardy productive stock, tested for germination before it leaves our hands. To aid in handling and shipping, we supply all corn shelled ready for the planter.

Prices for one pound and two pounds are postage paid; if ordered by express deduct 10 cts. per pound.

Ten to twelve pounds of seed are required to plant one acre in hills. For silage, thirty to thirty-five pounds are required.

All varieties. lb. 25 cts., 2 lbs. 40 cts. By express or freight 10 lbs. or over at 8 cts. per pound. 100 lbs. or over at 6 cts.

Pride of the North

(80-85 days) This

is the earliest of all the yellow Dents and the most dependable for maturing a crop. An ideal corn for the northern section.

The ears are of fair size with extra small cob, will produce as much shelled corn to the acre as most of the large eared varieties.

Reid's Yellow Dent.

(100 days) This is without doubt the most popular variety of corn grown in this country. The large ears, eight to eleven inches long, have eighteen to twenty rows of closely set kernels upon a very small cob. The color is a rich deep yellow, with the cap of kernel slightly lighter, kernels dented.

White Cap Yellow Dent (85-95 days)

We have an excellent strain of this popular variety which is one of the most satisfactory sorts to raise. Succeeds on almost any kind of ground and is a heavy yielder. Ears are good sized and deep grained. The kernels are a beautiful lemon yellow with a well dented white cap.

ENSILAGE CORN

Cuban Giant Ensilage. (120 days) Where a heavy growth for ensilage purposes is desired, we believe we offer in Cuban Giant the ideal variety. Makes an enormous growth, stalks tall and plenty of forage. The grains are pure white, broad and long, of good vitality. A good milk producer, sweet and tender. Lb. 25 cts., 2 lbs. 40 cts. 10 lbs. or more by express at 8 cts. per lb. 100 lbs. or over at 6 cts.



CUCUMBERS

Cucumbers succeed best in rich loamy soil. As soon as the weather becomes warm and settled, plant in hills four to six feet apart each way, with 10 to 12 seeds in a hill; cover one-half inch deep. Air slaked lime or "Slug Shot" sprinkled on the plants every few days as soon as they are up will protect them from the striped beetle. When all danger from insects is past, thin out plants, leaving three or four of the strongest to each hill. The fruit should be picked when large enough, otherwise it destroys their productiveness. One ounce to 50 hills. 2 to 3 lbs. per acre.

Arlington White Spine. (55 days)

This strain of White Spine has been much improved by careful selection and is much superior to the old sort. It is a rich green in color and is very productive. Arlington is one of the best varieties for forcing, also equally good for outdoor planting. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

Cool and Crisp. (65 days) Fruits are straight, long, even and slim, and of a healthy dark green color. Very productive, and by reason of its uniform shape, makes one of the best pickling sorts, also excellent for slicing. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

Davis Perfect. (50 days) A first-class variety for forcing under glass; also for outdoor culture, and shipping. The color is a dark glossy green, long, slim in shape. It is tender and of exceptionally good flavor. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Everbearing. (65 days) Everbearing is one of the best pickling varieties we offer. The young fruit is symmetrical, deep in color and crisp. It is of medium size and makes a fine pickle. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

Early Cluster. (50 days) Vines vigorous, producing the crop near the roots and in clusters. Fruits short, early and of good shape for pickling. Very prolific. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

Early Fortune. (52 days) For a good all-round cucumber this distinctive variety is the finest yet introduced. The rich dark green fruits when matured at the slicing stage average $7\frac{1}{2}$ to 8 inches in length and retain their color for a remarkably long time. The flesh is firm, with a small seed cavity, making it a good shipping and market sort. As a pickling sort it is equally as good, producing an enormous quantity of uniform well shaped pickles. The vine growth is very vigorous and the leaves, which are larger than those of other sorts, are very resistant to disease. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Improved Chicago Pickling. (68 days) Very popular with the market gardeners. Fruit is of medium length, pointed at each end with large and prominent spines, color deep green. It is an extremely prolific variety and is one of the best for those who want crisp, coarsely spined pickles. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

Improved Long Green. (65 days) This is a popular variety that is extensively grown both for slicing and pickling. Of excellent quality, dark green, firm and crisp. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Lemon Cucumber. (55 days) New and entirely different type of cucumber. Shaped and colored like a lemon with fine flavor. For slicing and salads they excel, having none of that bitter taste so often found in cucumbers. May be eaten green, but is at its best just as it is turning yellow. Makes excellent pickles. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

West India Gherkin. Grown exclusively for pickles. Oval in shape, grows from two to three inches long and is thickly studded with heavy spines. If picked when young and tender they make an excellent pickle. Seed is slow to germinate and the vines do not make as heavy growth as cucumbers. Pkt. 5 cts., oz. 25 cts.

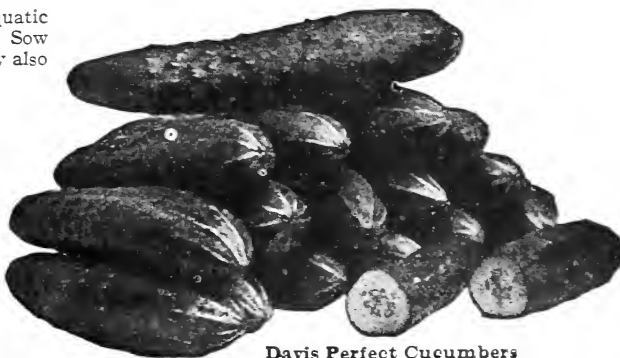
CRESS

Pepper Grass—Extra Curled. Extensively used as a small salad with lettuce. The leaves while young have a warm pungent taste. Sow rather thick in shallow drills, and at short intervals during the season. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts.

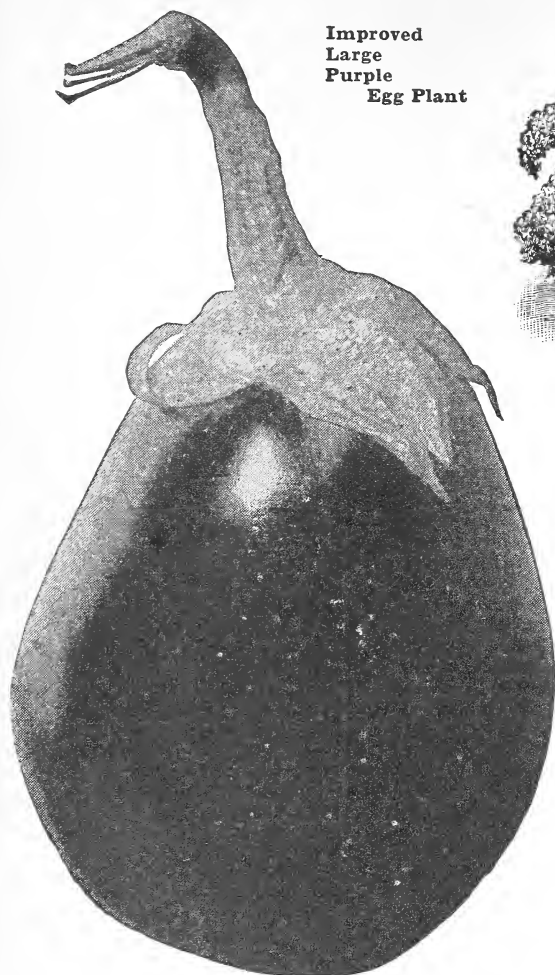
Water Cress—Erfurt. Hardy perennial aquatic plant, growing along streams and ponds. Sow seed at edge of water, covering lightly, may also be sown in tubs. Pkt. 10 cts., oz. 60 cts.

DANDELION

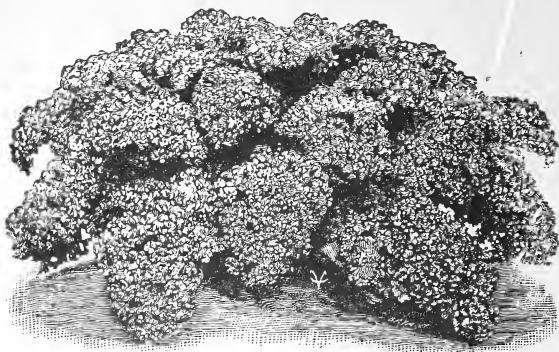
CULTURE. (55 days) Sow early in the spring in warm, rich soil, in drills 18 inches apart; thin the young plants to five inches in the rows and cultivate well; they will be fit for cutting the next spring. When grown for the roots, sow in September and cultivate well during the fall and the following summer; they will be fit to dig in October. Our seed is from carefully selected thick-leaved stocks, much superior to our ordinary wild dandelion. Pkt. 15 cts., $\frac{1}{2}$ oz. 40 cts., oz. 75 cts.



Davis Perfect Cucumbers



**Improved
Large
Purple
Egg Plant**



Dwarf Green Curled Kale

EGG PLANT

CULTURE. Sow in hot bed early in spring; transplant two and one-half feet apart each way after weather becomes settled and warm. If no hot bed is at hand, plants may be started in pots or boxes. The potato beetle is very fond of the plants! Paris green applied same as to potatoes will keep them in check. *One ounce to 1,000 plants.*

Black Beauty. (140 days) The fruits are broad and thick, of attractive form, and of the finest flavor. The skin is a rich purplish black. It is entirely free from spines or thorns. They are ready to market early. Pkt. 10 cts., $\frac{1}{2}$ oz. 30 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

Improved Large Purple. (125 days) Fruit remarkably large, often measuring 12 inches in depth and 9 inches in diameter, weighing five to six pounds; skin deep purple with occasional stripes of green about the stem. Pkt. 10 cts., $\frac{1}{2}$ oz. 30 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

ENDIVE

A fall and winter salad. For early use sow in April; for late or main crop, in June or July, in drills 14 inches apart; when two or three inches high thin to one foot apart in the drills. When fully grown should be blanched; this can be done by gathering up the

leaves and tying them together at the tips or lay boards over them, keeping them flat.

Large Green Curled. (40 days) A hardy variety, broad leaves, blanches white. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts.

White Curled. (35 days) Leaves pale green, mid-rib yellow. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts.

Broad Leaved Batavian. (Escarolle.) (45 days) This is a broad thick-leaved variety, highly appreciated as a salad. Good for cooking like Kale or Mustard. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts.

KALE

CULTURE. Kale is one of the hardiest of "Greens" belonging to the Cabbage family. Sow either in rows or broadcast; for summer and fall use, the seed should be sown in the early spring, or may be sown in August or September for spring use. *One to two pounds to an acre.*

Dwarf Green Curled. (55 days) This is the most popular variety of Kale, dwarf and very hardy. Splendidly curled leaves, excellent flavored. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts.

KOHL RABI

A turnip-rooted cabbage, the edible part being the bulb which grows on a stalk a few inches above the ground. Use before bulbs get to be more than two inches thick.

CULTURE. The seed should be sown in the spring three-fourths of an inch deep in drills two feet apart. When the plants are a few inches high, thin to eight inches apart. *Two pounds of seed for one acre.*

Early White Vienna. (50 days) Dwarf, small, early; bulb handsome, firm, glossy white; the best variety for the table, but should be used when young. All varieties are tough and stringy when overgrown. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

Purple Vienna. (70 days) A fine purple type, much liked for later use. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.



Kohl Rabi

LETTUCE

CULTURE. Lettuce seed should be covered very shallow to secure germination, especially the black seeded if sown under glass or in the house. For early spring use sow in September and protect through the winter in cold frames the same as cabbages, or sow in hot beds in March and transplant to open ground as soon as it can be worked. For late supplies sow in the open ground as soon as the season will permit, in rows one foot apart; thin out plants one foot apart in rows. If sown every two or three weeks to the middle of August, it may be had in perfection the entire season. *One ounce will sow 125 ft. of drill and produce 3000 plants.*

California Cream Butter. (42 days) A very popular variety of head lettuce. Forms a large head of a rich buttery flavor. Leaves are thick, the outer ones green, slightly tinged with brown. An easy sort to grow and a fine shipping sort. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75.

Big Boston. (45 days) The most popular variety for every purpose on the market. Gives equally good results under glass or in the open. Of the head types it is easily the leader. Leaves are light green and very tender. Our strain of this variety is unsurpassed. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75.

Black Seeded Simpson. (40 days) The leaves are thin, tender, and of a light green color; very early. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Denver Market. (45 days) An early lettuce for forcing or open ground culture. The leaves are beautifully curled and crimped. Crisp, tender and of excellent flavor. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Early Prize Head. (50 days) Color bright green, tinged with brownish red. It is of superb flavor, tender and hardy. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

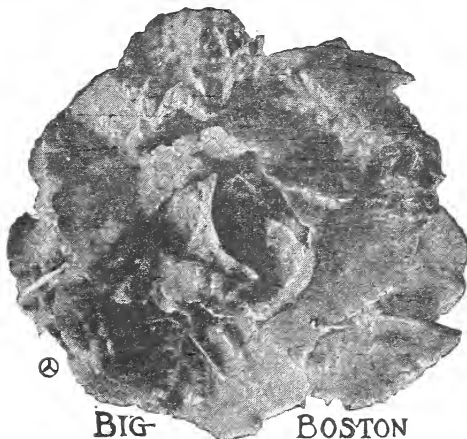
Grand Rapids. (38 days) As a forcing variety for winter and early spring use this stands at the head of the list. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75.

Improved Hanson. (45 days) Heads large, fine form, deliciously sweet, tender and crisp, color green outside and white within. Intermediate between the loose-leaved and heading varieties (black seeds). Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

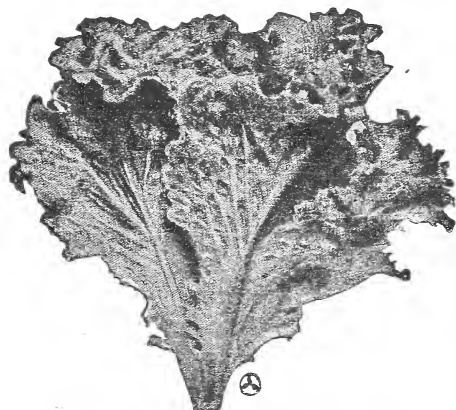
New York or Wonderful. (55 days) This new variety is the largest heading lettuce known. They attain 15 to 18 inches across, and are solid as a cabbage, heart being particularly solid, and colored a tempting light green. Unrivalled for long season; crisp, tender and delicious. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.00.

May King. (42 days) A large light green heading lettuce which is giving excellent satisfaction. Grown outdoors it is extremely early, maturing handsome heads of good size and unsurpassed in quality and solid enough to make it a good shipper to distant markets. For forcing under glass it is most desirable. A first-class all purpose variety. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75.

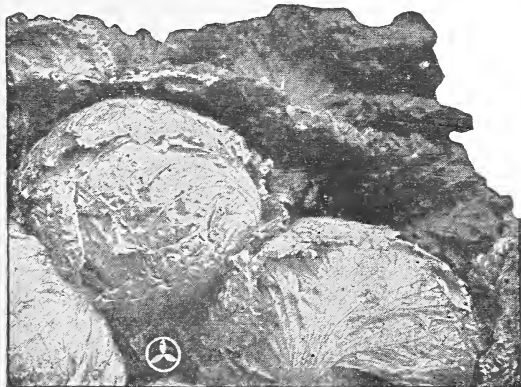
White Self-Closing Cos. (55 days) Of all celery or Cos lettuce, this is the leader. Beautiful light colored outer leaves, centers blanching to a pure white, very tender and of delicious flavor. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.



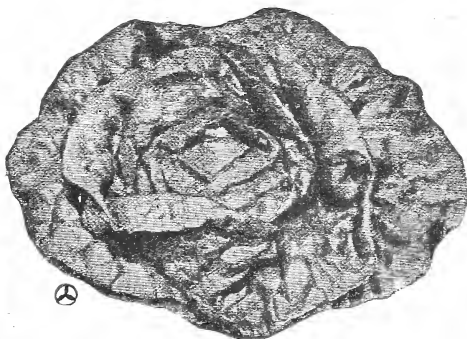
BIG BOSTON



Grand Rapids

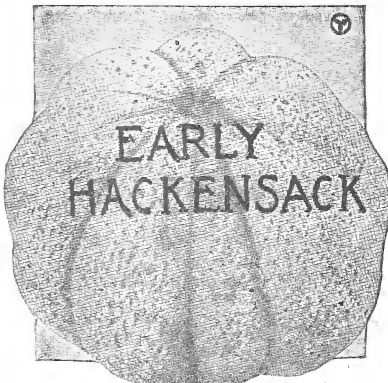
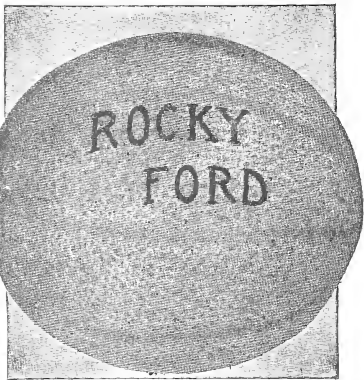
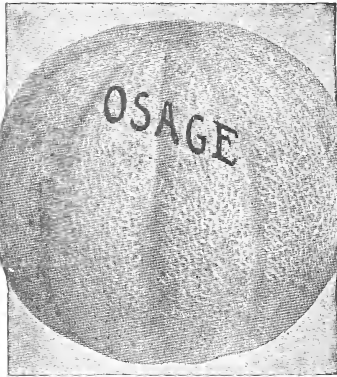
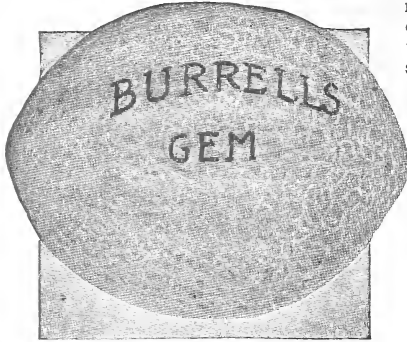


New York or Wonderful



May King

LEEK. Closely allied to the Onion, it is used in soups, stews, or boiled whole and creamed; its mildness and distinctive flavor making it very popular. The entire lower portion, or neck, of the plant is used; which is smooth, solid, and uniform in thickness, blanching to pure white.



American Flag. (70 days) Sow early in the spring in drills one inch deep and one foot apart. When six or eight inches high transplant in rows 13 inches apart and five inches between the plants, as deep as possible, that the neck may be blanched. *One ounce to 150 feet drilled.* Pkt. 10 cts., oz. 30 cts.

MUSK MELON

CULTURE. Melons should be grown in rich soil. Sow ten to fifteen seeds to each hill, which should be six feet apart each way. When well started thin out to three or four plants, leaving the strongest. *One ounce will sow or plant fifty hills, two or three pounds to the acre.*

Bender's Surprise. A new and high class melon of delicious flavor and sweetness. The deep orange flesh is very thick, the rind very firm, which helps to hold them in good condition a week after picking. These oval shaped, heavily netted melons average ten pounds and often reach fifteen pounds in weight. Pkt. 10 cts., oz. 20 cts.

Banana. (85 days) Makes a long banana-like growth, very fragrant and of delicious flavor. Excellent for the home garden. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75.

Burrell's Gem. (75 days) Well ribbed and covered with a fine grayish netting. The skin is a rich dark green, contrasting finely with the deep orange-salmon colored flesh, sweet and tender. The flesh is thick and firm, ripening close to the skin. Holds up well when shipped and is a good sort for any market demanding the Gem type. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Early Hackensack. (60 days) This is an extra early, large, and productive variety. The fruits are deeply netted, flesh light green; of most excellent quality. On account of its earliness this melon is recommended for sections with a short season. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Edwards Perfecto. (75 days) A new derivation from Rocky Ford, showing also a trace of Burrell's Gem. It is perfectly round without ribs, heavily netted; the salmon pink flesh exceedingly thick, sweet and spicy. It is such a splendid shipper, we believe it is bound to attain commercial prominence. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.

Emerald Gem. (80 days) A very popular variety with both home and market gardeners. The stem is a dark emerald green, with lighter stripes. Flesh very thick, of a dark salmon color. This variety is considered by many to be very best of all musk melons. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Fordhook. (70 days) The thick flesh is very firm, salmon in color, and very highly flavored; seed cavity exceptionally small; early and continuous, heavily ribbed, medium in size, weighing about two pounds each. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Honey Dew. See page 17.

Osage. (Selected) (75 days) Of uniform quality, sweet and delicious. The skin is thin, dark green and slightly netted. The flesh is deep salmon and of a spicy flavor. A remarkably good keeper and largely planted for commercial and home use. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.75.

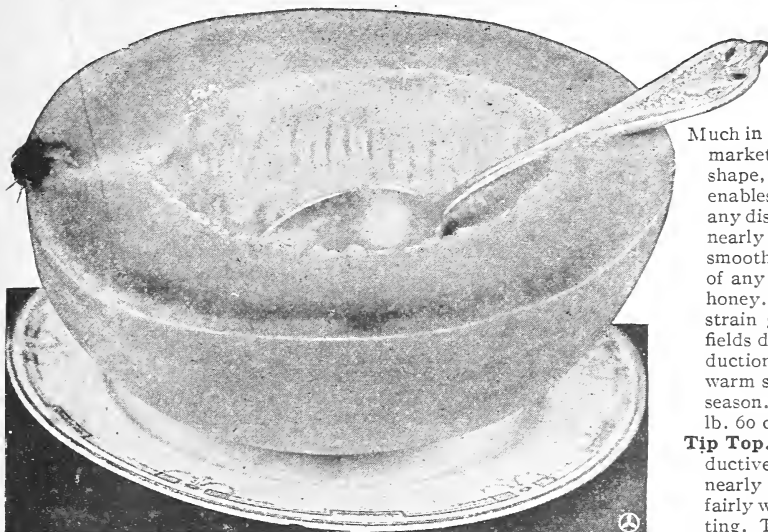
Rocky Ford. (70 days) Flesh greenish white in color, very juicy and rich and good clear to the rind. It is medium in size, of round, oval form and a most excellent keeper. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.



MUSK MELON

—Continued

Honey Dew (120 days)



Honey Dew Musk Melon

Much in demand at fancy prices in the markets. They are nearly round in shape, with a hard, firm rind that enables them to be safely shipped any distance. When ripe the skin is nearly pure white and entirely smooth. The flavor is unlike that of any other melon and is sweet as honey. Our seed is the original strain grown at Rocky Ford, from fields devoted exclusively to the production of seed. They require rich warm soil and a fairly long growing season. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.75.

Tip Top. (80 days) This very productive melon is of medium size, nearly round, slightly ribbed and fairly well covered with shallow netting. The flesh is deep yellow. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

WATER MELON

CULTURE. Plant in hills eight feet apart each way, using a shovelful of well rotted manure in each hill, thin to six plants to hill; after all danger of bugs is past, further thin to four plants. Use "Slug Shot" for bugs. *White seeded varieties.

One ounce plants 20 to 40 hills or four pounds for one acre.

Citron. (100 days) Red seeded. For preserving. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts.

Cole's Early. (65 days) A choice melon for the home garden. The flesh is bright red, crisp, sweet and of fine flavor, of medium size, but solid, with thin rind. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Dixie. (85 days) Dark green, beautifully striped, oblong in shape; flesh bright scarlet, of the finest quality. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Fordhook Early. (60 days) An extra early melon of fine flavor and large size. Color a uniform medium green. Flesh red and sweet. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

***Halbert Honey.** (75 days) The melons are 18 to 20 inches long, full and round at both ends; skin dark glossy green and flesh a beautiful crimson; excellent for nearby market as well as for home use. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Harris' Earliest. (60 days) The best variety for northern latitudes, largest and sweetest of all the early melons. Oval in shape, green striped with gray, attaining a weight of twenty to thirty pounds. Firm hard rind, shipping well; flesh bright red and tender, very sweet and delicious. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

Ice Cream. (85 days) Medium size, nearly round, pale green, thin rind, flesh solid, scarlet, of delicious flavor. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

***Irish Grey.** (90 days) The tough rind withstands long shipping, and helps the melon to keep well; besides displaying an oval surface of attractively mottled greenish gray. The flesh is an enticing red, firm, sweet and notably free from hard centers and stringiness. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

***Kleckley's Sweet.** (70 days) The skin is a rich, dark green, the flesh bright scarlet, ripening close to the rind. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Klondike. (00 days) A wonderful home garden and market type, particularly in the southwest. Flesh good red, rind dark green, melons long averaging 20 lbs. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Sweet Heart. (90 days) Fruit large, oval, mottled light and dark green. Flesh bright red, solid, tender and sweet. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

The Watson. (90 days) One of the very best melons introduced to date. Perfect in shape, rind is dark, glossy green, very tough and thin, the flesh dark red, very crisp, no strings and most delicious. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.



The Watson Water Melon



PURE CULTURE MUSHROOM SPAWN

Mushrooms are considered a great delicacy by everyone and are always in much demand at fancy prices. Many are devoting their spare time to mushroom culture and are getting big returns for their labor. Nearly everyone has some unused place that might be devoted to mushroom growing. Contrary to general belief, it is

not necessary to have specially prepared equipment for this purpose, but advantage may be taken of locations already existent. They can be grown in dark rooms, caves, cellars or under greenhouse benches, where the temperature can be maintained at from 50 to 60 degrees. They may to some extent even, be grown out of doors, in the lawn or orchard. Thus, at very little expense, a valuable crop may be added to the general home products.

We furnish with each order a leaflet giving complete cultural directions. One brick is required for ten square feet of bed.

Lambert's Pure Culture Spawn. A new departure in the cultivation of mushroom spawn. This method insures the reproduction of a certain type, free from all inferior sorts, that will largely increase the yield and produce the very best mushrooms. 45 cts. per brick, 2 for 80 cts. By express, 5 bricks for \$1.25, 10 bricks or over at 20 cts. per brick.

MUSTARD

CULTURE. For early salads sow in a medium hot bed in March, and for general crop at intervals through the spring, in rows six to eight inches apart, and rather thickly in the rows. Cut it when four inches high.

Fordhook Fancy. (50 days) This is the finest of all mustard, curled like an ostrich plume. In fact it is sold sometimes under the name of "Ostrich Plume;" splendid flavor, can be cooked any time of the year just like spinach and by many is considered far superior. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

OKRA

CULTURE. Seed should be soaked before planting to insure quick and even germination; sow in rows 2 to 3 ft. apart and thin to 12 to 18 inches in the row. Gather pods when young. It is delicious in soups.

White Velvet. (50 days) A very popular variety producing long smooth white pods of excellent flavor, very prolific. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 85 cts.

Perkins Mammoth Pod. (60 days) A new variety having enormous ridged pods, light green in color, very early and prolific. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 85 cts.

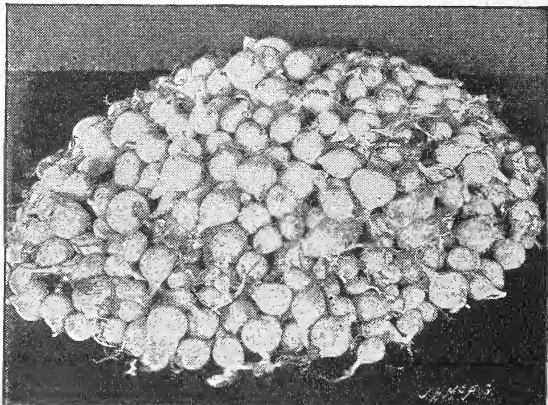
ONION SETS

The chief value of onion sets lie in the quickness of their being ready for the table. For green onions much time can be gained by their use.

CULTURE. Onion sets should be planted out as early as the ground is dry enough to work; plant them in rows one foot apart with sets three or four inches apart. When raised from sets the onions can be used in the green state in June, or they will be ripened off by July. *Plant 300 to 500 pounds to the acre.* Price subject to market changes. Write for quotations on large quantities.

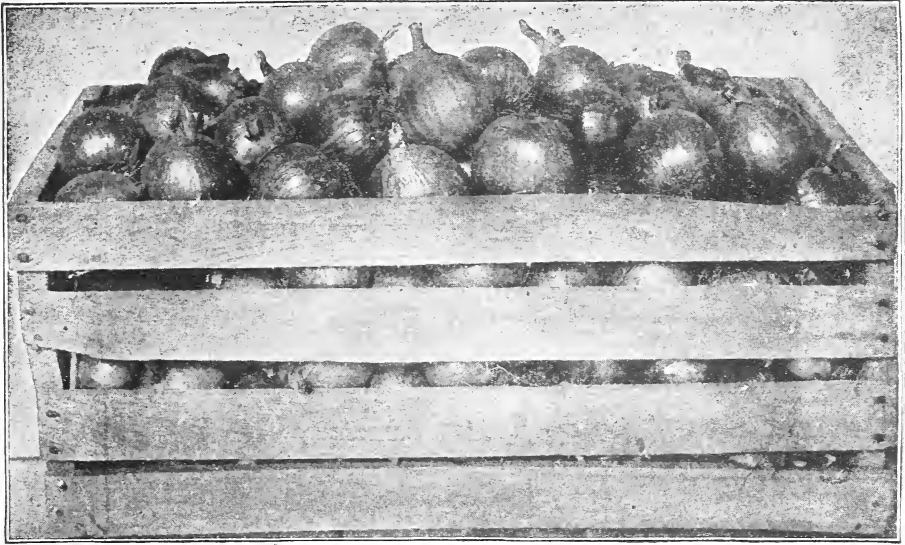
Yellow. Lb. 35 cts., 5 lbs. (not prepaid) at 20 cts. 10 lbs. or over by express at 18 cts. per lb.

White. Lb. 35 cts., 5 lbs. (not prepaid) at 20 cts. 10 lbs. or over by express at 18 cts. per lb.



Onion Sets

Full crates of highest quality Onions such as this, have long marked the annual crops in our own Lake County, and in many other onion-growing counties, due to the superiority of S. & H. Co. Onion Seed.



Ohio Yellow Globe



ONION SEED



CULTURE. A strong, deep, rich and loamy soil is most suitable, or even a black sandy loam. Muck beds well drained to the depth of two feet give large yields. The ground should be heavily dressed with well rotted manure, and plowed a moderate depth, taking a narrow furrow in order to more thoroughly mix the manure with the soil; if possible the plowing should be done in the fall. As early in the spring as the ground is in working order harrow it thoroughly and make as fine and level as possible; sow thinly in drills one-fourth inch deep and 14 inches apart. Keep the surface of the ground open and free from weeds but do not ridge up to the growing bulbs. *One ounce will sow 100 feet of drill; four to five pounds per acre for large onions, 50 to 60 pounds for sets.*

Ohio Yellow Globe. (120 days)

The strain of onions known as Ohio Yellow Globe was developed here in Lake County. It is the finest yellow commercial onion that is grown; of good size, the true globe shape, absolutely free from any neck. This variety makes a solid bulb and is one of the best of keepers. Our strain is the true Lake County type and is very popular with the large onion growers. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00, 5 lbs. or more (not prepaid) at \$1.75 per lb.

Southport White Globe. (120 days)

Commands the highest market price; good shape, clear, white skin. To retain the white color they should be cured in the shade. Pkt. 5 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.00.

White Silverskin. (95 days) This is a small silvery white onion. Just the right size for pickling whole for which it is used almost entirely. Pkt. 5 cts., oz., 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.00.

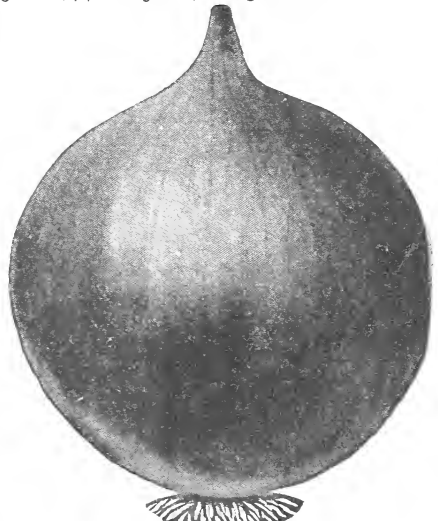
Large Red Wethersfield. (100 days) This is a standard variety in the East. Makes a large sized flat onion, deep purplish red in color. The flesh is a purplish white, moderately fine grained and strongly flavored. For markets demanding a red onion this is the variety to grow, as it matures early and is productive. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 70 cts., lb. \$2.25, 5 lbs. or more (not prepaid) at \$2.00 per lb.

Mammoth Silver King. (80 days) A large, flat but thick, sweet, silvery white Italian variety. On account of its extreme mildness it is one of the best for salads and eating raw. It matures early; to produce the largest onions transplant into rich soil when the young seedlings are 3 or 4 inches high. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

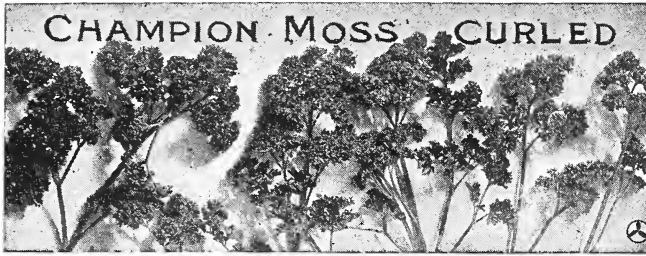
Prize Taker. (100 days) Although a very large onion, it is hardy, productive and a fair keeper. Outside skin is rich yellow, flesh is white, sweet and tender. They bottom well, are free from stiffnecks. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.

Southport Red Globe. (110 days) This is an attractive globe shaped variety, which matures quite early, grows large and is very productive; skin deep red; flesh fine grained. We offer a fine strain from selected bulbs. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 70 cts., lb. \$2.25. 5 lbs. or more (not prepaid) at \$2.00 per lb.

Southport Yellow Globe. (110 days) A bright yellow globe, mild flavored and a good keeper. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00. 5 lbs. or more (not prepaid) at \$1.75 per lb.



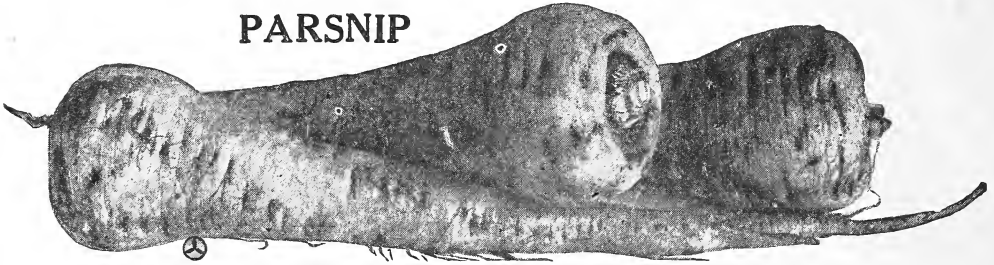
Prize Taker



Champion Moss Curled. (65 days) A compact growing finely cut and beautifully curled variety, the favorite garnish. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Hamburg. (100 days) (Turnip rooted.) The root is the edible portion and is extensively used for flavoring soups, etc. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

PARSNIP



Parsnips sliced and fried are a nutritious and always acceptable side dish at many a winter dinner; as frequent in use as the dependable old Hubbard Squash.

CULTURE. One ounce will sow 200 feet of drill; five pounds for one acre. Sow as early in the spring as the weather will permit, in drills 15 inches apart, covering half an inch deep. When well up thin out to five or six inches apart in the rows. Unlike carrots they are improved by frost, and it is usual to take up in fall only a certain quantity for winter use, leaving the rest in the ground until spring, to be dug as required. If cellar-stored, pack in boxes filled with slightly moist soil.

Hollow Crown or Long Smooth. (85 days) Roots oblong, ending somewhat abruptly with a tap root; best variety for general use. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

PEANUTS

Peanuts are an American institution, their delectable aroma and consumption an inevitable feature at all American outdoor sports. It may be a matter of surprise to most northern gardeners that it is not only practical but profitable to raise your own, as well as help supply your local market.

CULTURE. Peanuts require light rich soil well limed. Plant in the spring as soon as the ground has become warm, in rows 30 to 36 inches apart, placing the seed 6 to 10 inches apart in the row. It is not necessary to remove the hull when planting. Keep well hoed. When matured pull and hang up to dry.

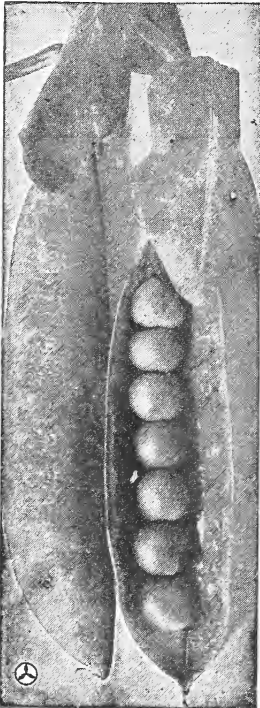
Valencia. A very desirable and productive Spanish bush type. Mild, sweet flavored, bearing three or four peas in each hull. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts.

PEAS

CULTURE. Peas mature earliest in a light, rich soil; for general crop a moderately heavy soil is best. Commence sowing early varieties as soon as ground can be worked, continue for a succession every two weeks until June. Sow the early, second early and late varieties at the same time for a succession. One pound for fifty feet of drill; 110-175 pounds for an acre. The wrinkled varieties are more susceptible to cold, wet weather than the small round, hard sorts, hence should not be planted very early except in warm dry locations.

Brush can be used to advantage on all varieties, but the various dwarf growing sorts take care of themselves very well without. If brush is not available, chicken wire is the best substitute for use with the taller growing kinds.

PRICE. In comparing prices, please bear in mind that our prices are postage paid by us, on half, one and two pounds, and if ordered by express, purchasers may deduct ten cents per pound from lb. rate. 10 lb. rate is by express or freight, purchasers paying charges.



American Wonder Peas

The Improved Soil Inoculator, Nobbe-Hiltner Process

NITRAGIN

TRADE MARK REG. DEC. 6, 1909 NO. 32,727

Restores and Maintains Soil Fertility

See Page 31

EXTRA EARLY PEAS

These earliest bearing varieties can often be planted early in March; and their early cropping may be taken advantage of to use your lightest strip of soil. The later types need the heavier soil which retains moisture under the hot sun.

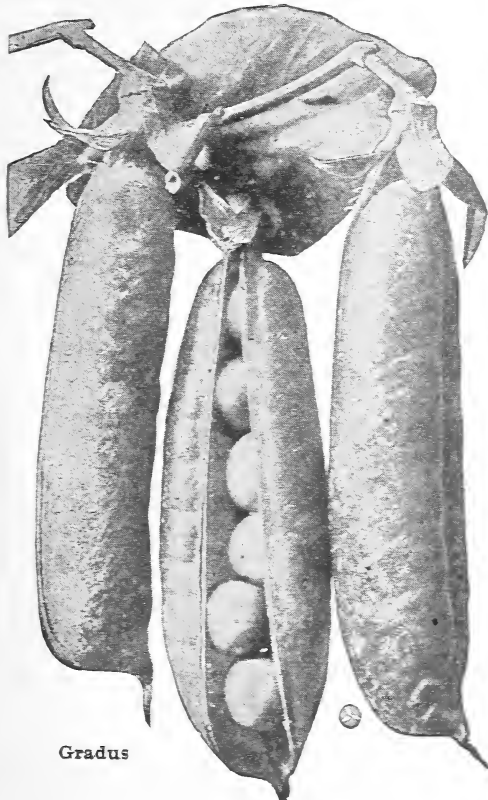
Alaska. (45 days) An extra early hardy pea. Pods of perfect shape, well filled with smooth peas of unrivalled quality. Seed blue. Height $2\frac{1}{2}$ feet. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 2 lbs. 60 cts. By express, 10 lbs. or more at 20 cts. per lb.

American Wonder. (55 days) An early wrinkled pea, growing from 9 to 12 inches high, and producing well filled pods of the finest flavor. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts. By express, 10 lbs. or more, 25 cts. per lb.

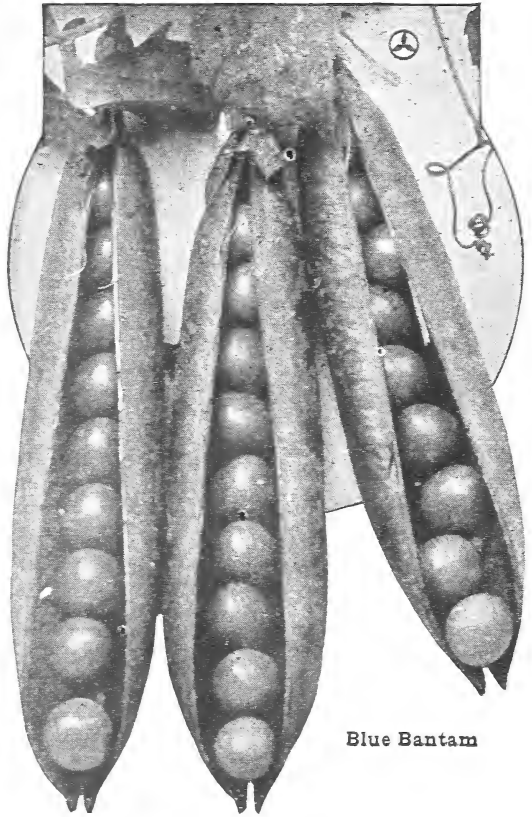
Blue Bantam. (55 days) The dwarf, vigorous vines average fifteen inches in height and carry enormous crops of large deep bluish green pods. The handsome pointed pods, usually borne singly, measure four to four and one-half inches long and are tightly packed with eight to ten extra large luscious peas. Considered one of the best flavored. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 80 cts. By express, 10 lbs. or more, 28 cts. per lb.

Everbearing. (65 days) Grows about 20 inches high; pods of good length; peas very large, wrinkled and in quality unsurpassed. For continuance and profusion of bearing this variety is unexcelled. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 2 lbs. 65 cts. 10 lbs. or over by express at 20 cts. per lb.

First and Best. (45 days) Pods well filled with round, smooth peas of excellent flavor. Extremely early, productive and hardy. Height $2\frac{1}{2}$ feet. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 2 lbs. 65 cts. By express, 10 lbs. or more at 20 cts. per lb.



Gradus



Blue Bantam

Gradus. (55 days) One of the earliest wrinkled peas, very hardy, and can be planted extremely early. The vine grows about $2\frac{1}{2}$ feet high. Pods large and well filled with good sized peas. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts. By express, 10 lbs. or more, 25 cts. per lb.

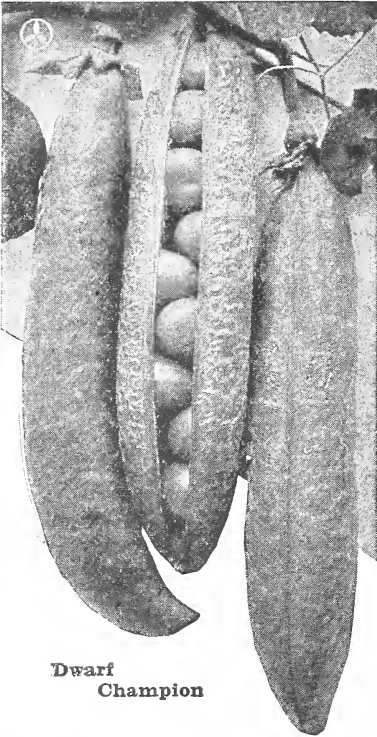
Hundredfold (50 days) This is one of the best dwarf peas, producing bountiful crops of broad, four-inch pods which hold usually eight large, dark green peas of wonderfully rich flavor. The vines are sturdy and heat-resisting, averaging 16 inches high. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 80 cts. By express, 10 lbs. or more at 28 cts. per lb.

Little Marvel. (58 days) Popular with market gardeners because of its extreme earliness and productiveness. The large dark green pods are usually borne in pairs. Very dwarf, vines growing only 15 to 18 inches high. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts.

Nott's Excelsior. (60 days) This excellent dwarf wrinkled extra early pea is robust and vigorous and produces in profusion handsome pods, closely packed with large peas of fine flavor. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts. By express, 10 lbs. or more, 25 cts. per lb.

Premium Gem. (50 days) Grows about 15 inches high and is among the earliest dwarf, abundant green wrinkled sorts. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts. By express, 10 lbs. or more at 25 cts. per lb.

Thomas Laxton. (50 days) One of the largest podded of the dwarf peas. Matures with the earliest and is of a delicious flavor. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts. By express, 10 lbs. or more at 25 cts. per lb.

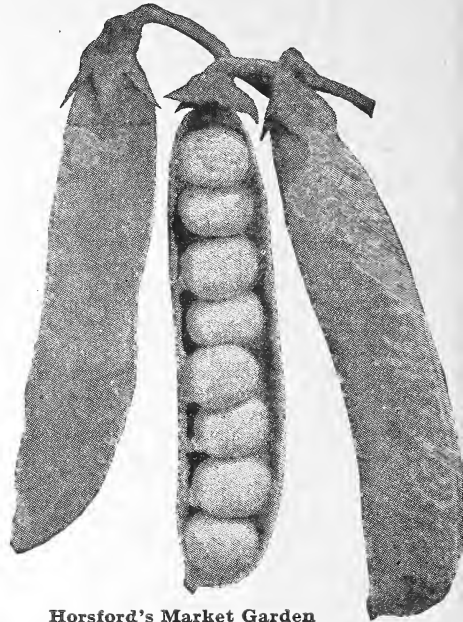


**Dwarf
Champion**

SECOND CROP or MEDIUM EARLY PEAS

Dwarf Telephone or Daisy. (65 days) A medium late pea of dwarf, stocky habit, healthy, vigorous growth, and productive, bearing large, handsome pods and peas of highest quality. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts. By express, 10 lbs. or more at 25 cts. per lb.

Horsford's Market Garden. (65 days) A grand wrinkled sort and a prolific bearer. Pods of medium size; peas of a delicious sweet flavor. Two feet high. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 2 lbs. 65 cts. 10 lbs. or over by express at 20 cts. per lb.



Horsford's Market Garden

Rogers' Dwarf Champion. (65 days) This new pea is one of the finest sorts we have ever tried. Vines make a healthy dark green growth and are well loaded with pods. The peas which are borne crowded in medium sized pods are of the highest quality, possessing the rich flavor of the Champion of England. The growth is very dwarf requiring no support. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts. By express, 10 lbs. or more at 25 cts. per lb.

LATE or MAIN PEA CROP

These late kinds may as well be planted at same time as the earlier ones. The tall varieties do very well planted in double rows with the line of brush set in at same time, allowing three feet of space between the lines for thorough cultivation. Do not stint the seed, but scatter in the broad furrows which should be at least four inches deep.

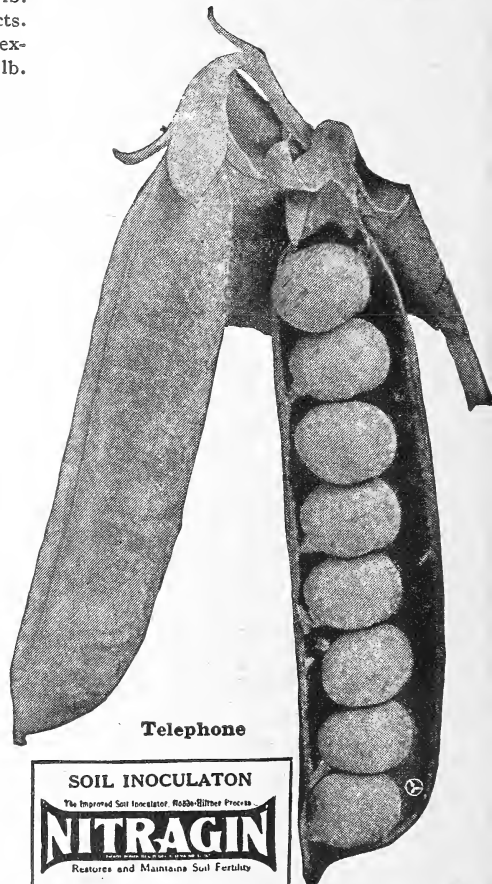
Champion of England. (75 days) One of the richest and best flavored peas grown; height 3 to 4 feet, seed wrinkled, whitish green and much shriveled. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts. By express, 10 lbs. or more at 25 cts. per lb.

Improved Stratagem. (70 days) One of the finest dwarf wrinkled peas. Their quality is unsurpassed, vines grow to a height of 18 or 20 inches, do not require sticking and are loaded with pods that are crowded with immense dark green peas. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts. By express, 10 lbs. or more at 25 cts. per lb.

Telephone. (70 days) One of the finest tall wrinkled marrows yet introduced. Vine strong, producing abundantly. The pods are of large size and filled with large delicious peas. Height three to four feet. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts. By express, 10 lbs. or more at 25 cts. per lb.

FIELD PEAS

Canada Field. (White Seeded.) Valuable for soiling purposes. Sow at the rate of two to three bushels per acre; also sow with oats for green feed; are now quite extensively used for this purpose. 10 lbs. or over by express at 10 cts. per lb. Write for prices on larger quantities.



Telephone

SOIL INOCULANT
The Improved Soil Inoculant, Rodd-Bitter Process

NITRAGIN

Features and Maintains Soil Fertility

See Page 31

PEPPERS

CULTURE. Sow in a hot bed in March and transplant to the open ground when the weather is favorable. They should be planted in warm, mellow soil, in rows 18 inches apart. They may also be sown in the open ground when the danger of frost is past and the soil is warm and the weather settled. Thorough and frequent cultivation should be kept up until frost; by this means you can have a continuous crop. *1 oz. will produce about 1500 plants; 3 oz. supplies an acre.*

Chinese Giant. (130 days) The largest of all the peppers and early. Grows from four to five inches across at the base and equally as long, divided into four large sections. Fruits are of a thick chunky form, very thick and meaty. Fine for stuffing and makes excellent salads. Pkt. 10 cts., $\frac{1}{2}$ oz. 35 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$2.00.

Early Neapolitan. (120 days) The earliest large pepper. The strong vigorous plants are completely laden with long handsome fruits. The skin and flesh are bright red, they are thick-meated, sweet and mild. For market gardeners and pickling establishments it is of incalculable value. Pkt. 10 cts., $\frac{1}{2}$ oz. 30 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

Ohio Crimson. (120 days) A vigorous, upright growing plant, with large fruits and is more productive than any other pepper on the market. They ripen earlier than any of the very large fruited sorts, and average heavier as the flesh is unusually thick. The young fruits are a beautiful green, turning red as they ripen, until when matured they are a deep crimson color. Very mild. Pkt. 10 cts., $\frac{1}{2}$ oz. 35 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$2.00.

Pimiento. (130 days) Somewhat different in character from other peppers, and useful in a great many ways. It is thick fleshed, mild and sweet; smooth and glossily green at first, but maturing to bright red. Pkt. 10 cts., $\frac{1}{2}$ oz. 30 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

Red Cayenne. (125 days) A long slim pod, rather pointed and when ripe of a bright red color, extremely strong and pungent. Used for pickling and pepper-sauce. Pkt. 10 cts., $\frac{1}{2}$ oz. 30 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

Royal King. (125 days) Royal King, we believe, is the best sweet pepper that has been produced in many years. It is an exceptionally large fruited variety, thick and meaty. The walls of Royal King are more than twice as thick as those of other sorts. The type is thoroughly fixed, producing uniform fruits both in shape and color. It is very mild—not the least

pungent—perfectly sweet. The plants are unusually productive, returning an enormous yield to the acre. Pkt. 10 cts., $\frac{1}{2}$ oz. 30 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

Ruby King. (130 days) A large and handsome variety. When ripe they are of a beautiful ruby red color, and are always remarkably mild and pleasant to the taste. Pkt. 10 cts., $\frac{1}{2}$ oz. 30 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

Sweet Mountain or Spanish Mammoth. (120 days) It is very large, smooth and handsome; when mature, a rich red. Flesh thick, sweet, and mild flavored. Pkt. 10 cts., $\frac{1}{2}$ oz. 30 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.



Ruby King Pepper

PUMPKINS

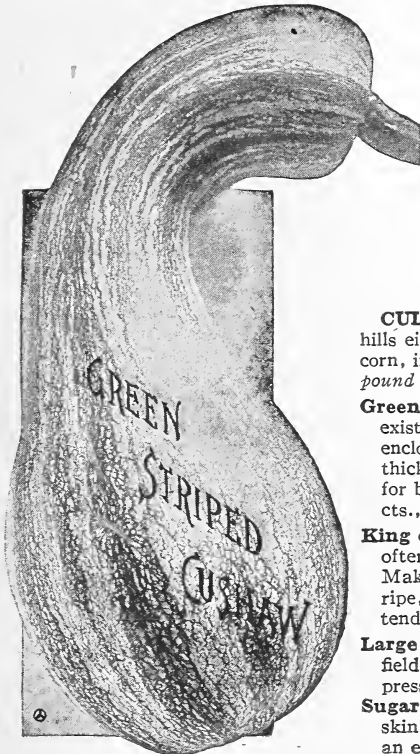
CULTURE. Plant in good soil when the ground has become warm, in hills eight to ten feet apart each way, or, as the general practice is with corn, in about every fourth hill. *Three pounds per acre alone or about one pound with corn.* Use "Slug Shot" for remedy against bugs.

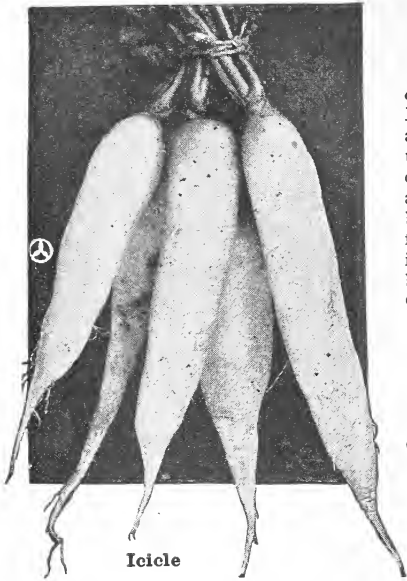
Green Striped Cushaw. (75 days) This is one of the finest pumpkins in existence; a long crooked neck, terminating in a round or oblong end, enclosing a very small seed cavity; flesh surrounding seed cavity very thick. The neck is absolutely solid, rivalling the finest sweet potatoes for baking, or as a pie sort, it has no equal. Splendid keeper. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

King of Mammoths. (Jumbo) (90 days) Largest of all the pumpkins, often reaching 24 inches in diameter, weighing 100 or more pounds. Make excellent stock feed, yet the quality is excellent for pies. When ripe, the skin is a rich orange color, flesh thick and yellow, sweet and tender. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.50.

Large Yellow Field. (90 days) A large yellow variety. The best for field culture. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00. By express, 5 lbs. or more at 75 cts.

Sugar. (65 days) A handsome and prolific variety of small size; the skin a deep orange yellow. It is fine grained in flesh, sweet in taste and an excellent keeper. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.



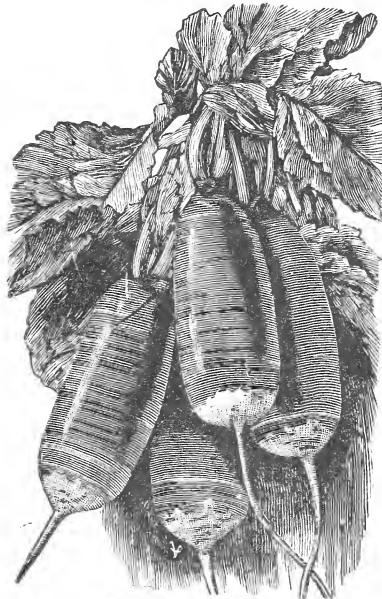


Icicle

Early Scarlet Olive. (20 days) An excellent deep red, olive shaped forcing sort, typical in its very small tops, and early maturing roots. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Early Round Scarlet. (25 days) A small round, red turnip-shaped radish, with a small top, and of very quick growth; early; rich color, crisp and tender. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

Early Long Scarlet. (28 days) Grows 6 or 7 inches long, half out of the ground; is brittle and crisp; color bright scarlet, small top. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.



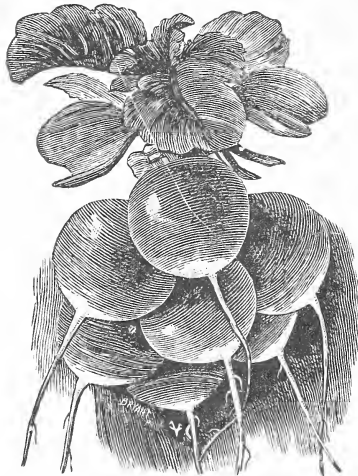
French Breakfast

RADISH

CULTURE. One ounce will sow 100 feet of drill, ten pounds required for one acre. For the first crop sow as early in the spring as the ground can be worked, and every two weeks throughout the season for a succession. A warm, sandy loam, made rich and light by some good strong manure, will be most likely to afford them brittle and free from worms. Sow in drills 10 to 12 inches apart. The winter varieties should be sown in July and August.

Cincinnati Market. (28 days) A fine extra early variety with a long, smooth root and small top. The color is a bright red and transparent; the flesh is tender and delicious, even when full grown. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

Crimson Giant. (35 days) Suitable for forcing or early planting out of doors. Larger than the other round red radishes, and solid longer. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.



Round White Tip Scarlet

Icicle (25 days) This variety has short leaves, and makes its growth quickly. Radish attains its best quality at about four inches long and is of transparent whiteness. It is of most excellent flavor, and remains crisp and sprightly long after most sorts would be discarded as too big and tough. Equally desirable for home use and market. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Round White Tip Scarlet. (21 days) A handsome early variety of medium size and excellent flavor. The best of the round varieties. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

White Strasburg. (48 days) Pure white, firm and brittle, and of fine quality. Withstands hot weather best of any sort. Slow to become pithy. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

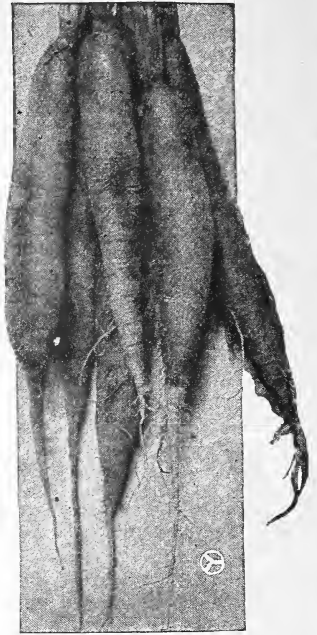
WINTER RADISHES

Winter radishes are very easily raised and keep like turnips if stored for winter use. These require from two to three months to mature.

Long Black Spanish. (72 days) Roots firm, oblong, black, of large size. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Rose China Winter. (60 days) One of the best fall and winter varieties, bright rose color, flesh white and of superior quality. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

California Mammoth White. (65 days) Pure white. The flesh is tender and crisp and keeps well through the weather. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

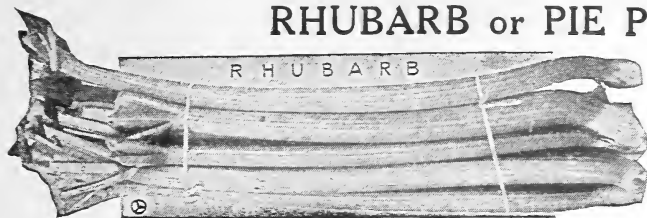


Cincinnati Market

Early Scarlet Globe. (20 days) Fine for forcing and market gardening purposes. Shape roundish oval; large; brilliant red; flesh white, solid, crisp and mild. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

French Breakfast. (25 days) A splendid half-long variety of medium size, crisp and tender, of a beautiful scarlet color, with a white tip. This has long been a favorite kind in very general use. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

RHUBARB or PIE PLANT



Sow in spring in seed bed, in drills one foot apart. Cultivate well during the season, and in the autumn or following spring transplant into deep rich soil, from three to four feet apart. The stalks should not be cut before the third year. For immediate use order the roots which are ready to use the first season.

Linnaeus. Large and tender; the very finest of all. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Roots. More particularly described in back part of catalog. Every home should have a row of plants for the sprightly, delicious home-made pies. 25 cts. each; \$1.00 per 5 by mail.

SALSIFY or VEGETABLE OYSTER

CULTURE. Sow the seed early in spring, in drills one foot apart and one inch deep, thinning out the young plants to four inches. The roots will be ready for use in October, when a supply should be taken up and stored in moist sand in a cool room. Those remaining will suffer no injury by being left in the ground until spring. One ounce to 100 feet. Ten to twelve pounds are required for one acre.

Mammoth Sandwich Island. (95 days) The largest, smoothest and the very best in every way of all salsify. Pure white, very tender and of excellent quality. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75.

SPINACH

CULTURE. Select very rich, well drained soil, sow in drills one foot apart and one inch deep; or it may be sown broadcast at rate of thirty pounds per acre. For spring and summer use make the first sowing early in spring and continue at intervals for two or three weeks, until the middle of June; sow in August and September for early spring use, and protect with a covering of straw during severe winter. One ounce will sow 100 feet of drill; or ten to twelve pounds to the acre.

Round Thick Leaved. (45 days)

One of the most popular with our market gardeners; leaves large.



Salsify

Round Thick Leaf Spinach

thick and fleshy; excellent for fall sowing, being very hardy. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 50 cts.

Bloomsdale Savoy. (45 days) In some sections this is the best known variety. The leaves are crumpled or savoyed, hardy, standing out all winter south of the Ohio river. A very desirable market sort. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 50 cts.

New Zealand Spinach. (55 days) (*Tetragonia Expansa*) Strong growing summer variety. The young branches and leaves can be gathered at any time. Sow thinly in drills 15 inches apart after danger of frost is past. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

MEDICINAL and POT HERBS

Herbs in general delight in rich mellow soil. For early use sow in hot-beds in March, transplanting to the open ground when weather is suitable. May also be sown in the open ground in May in rows 12 inches apart. Cover lightly and when large enough thin out to eight to ten inches apart in the row. They should be cut on a dry day just before they come into full bloom and hung where they may dry quickly.

Balm. (*Melissa officinalis*.) The leaves which have a fragrant odor are used in making balm wine, balm tea for fevers and other culinary uses. Pkt. 10 cts.

Caraway. (*Carum carui*.) Biennial. Cultivated mainly for the seeds which are used in cakes, confectionery and medicine. The leaves are also used in flavoring soups. Pkt. 10 cts., oz. 25 cts.

Dill. (*Anethum graveolus*.) An annual cultivated for its seeds which have an aromatic odor and warm pungent taste. They are used as a condiment, also in making dill pickles. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts.

Horehound. (*Marrabium vulgare*.) A perennial herb with a strong aromatic smell and a bitter taste. It is a tonic and the leaves and tops enter largely into the composition of cough syrups and lozenges. Pkt. 10 cts.

Lavender. (*Lavendula vera*.) A popular aromatic herb. The flower spikes are dried for their delightful, lasting fragrance. Sow seed thickly and early in the spring as it is slow to germinate. Pkt. 10 cts.

Sage. (*Salvia officinalis*.) The leaves and tender tops are used in seasoning dressing and sauces. A medicinal tea is also made from the dried leaves. Perennial. Pkt. 10 cts., oz. 50 cts.

Summer Savory. (*Satureia hortensis*.) Used principally for seasoning. Annual. Pkt. 10 cts., oz. 35 cts.

Sweet Marjoram. (*Origanum marjorana*.) Used as a relish in soups, broths and dressings. Perennial. Pkt. 10 cts., oz. 50 cts.

SQUASH

Seed should not be sown in the spring until danger from frost is past and the ground warm and thoroughly settled. Keep the earth about the plants loose and clean, removing the surplus vines from time to time, allowing not more than three plants to the hill. A little tobacco dust thrown around the hills discourages borers, Bordeaux Arsenate of Lead remedies blight and striped beetles; but the big black squash bug had better be hand-picked.

SUMMER VARIETIES

*One ounce to 25 hills,
four feet apart each way.*

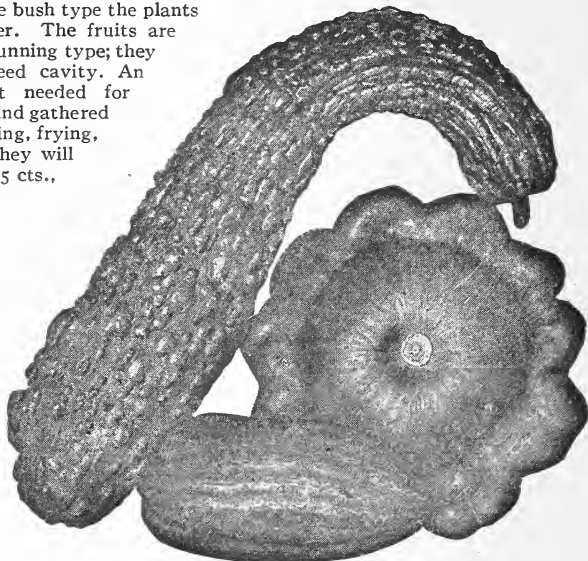
Bush Fordhook. (55 days) In this new, true bush type the plants can be grown much more closely together. The fruits are rather shorter and thicker than those of the running type; they are also thicker fleshed and have a smaller seed cavity. An important advantage is that any fruits not needed for summer use can be left to ripen on the plants and gathered for winter use. They are unsurpassed for baking, frying, or making pies; while stored in a dry place they will keep in good condition for a long time. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75.

Giant Summer Crookneck. (65 days) Bright yellow, a profitable sort for market, keeps bearing all summer. Plant farther apart than the other bush varieties. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Mammoth White Bush. (50 days) Of all round scallop or patty pan squashes, this is the very best; not quite as early as Early White Bush, but far superior in size and quality. Fruits round white, deeply scalloped, lobes being in pairs; very tender and delicious. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

We have complaints occasionally from customers as to their squash blossoms falling without fruiting.

The flowers of squash are distinctly imperfect; the male flowers being borne on foot stalks, in proportion of three male to one female, and fall after pollination.

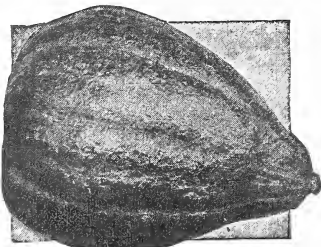


The Three Varieties of Summer Squash

FALL and WINTER SQUASH

One ounce to 10 hills; two pounds per acre; hills 8 or 10 feet apart each way.

If the winter varieties are not planted until the latter part of June, they are ordinarily able to escape the ravages of the borer which is their worst enemy.



New Winter Squash—Delicious

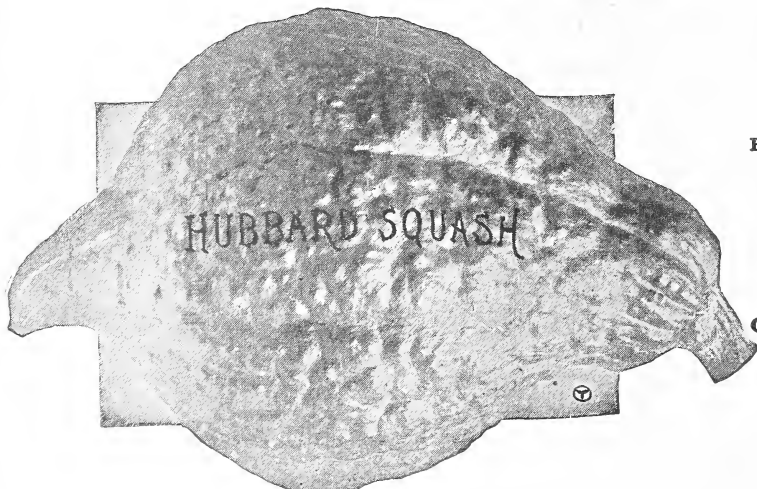
Delicious. (75 days) A squash of the richest and finest quality known. It is of medium size, dark green in color and with very thick flesh which cooks dry, and is of superior flavor. Although a good fall variety it is in its best condition in the winter. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Golden Hubbard. (110 days) A counterpart of Hubbard, except the color is a deep orange, tipped green at each end. The flesh is golden yellow, of excellent flavor and cooks dry. A good keeper; can also be used early in the green state. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Hubbard. (110 days) Skin deep olive green, flesh orange yellow. Sweet, rich flavored; keeps well through the winter; boils or bakes dry. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75.

TOBACCO

Connecticut Seed Leaf. A popular cigar variety, largely used for pipe smoking by those who prefer a home cured natural leaf. Makes a large broad leaf and the only variety largely grown in northern states. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.



TURNIP

One ounce sows 100 feet of drill.

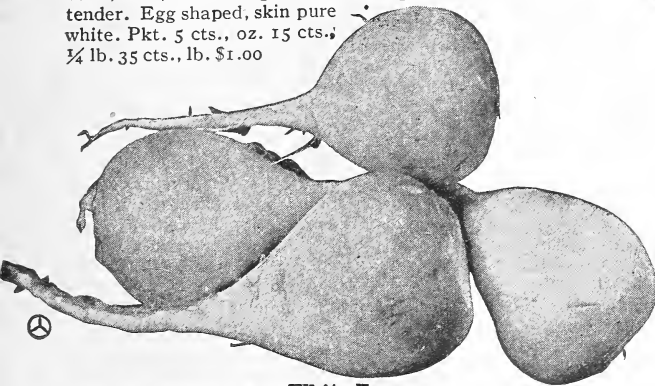
Two pounds per acre in drills 12 to 15 inches apart; one pound two feet apart; three pounds broadcast.

Turnips do best in a highly enriched, sandy, gravelly, or light loamy soil. Commence sowing the earliest varieties in April, in drills from 12 to 15 inches apart, and thin out early to six or eight inches in rows. For a succession, sow at intervals of a fortnight until the last week in May, and from the last of July to the end of August sowing may be made for the fall and main crops.

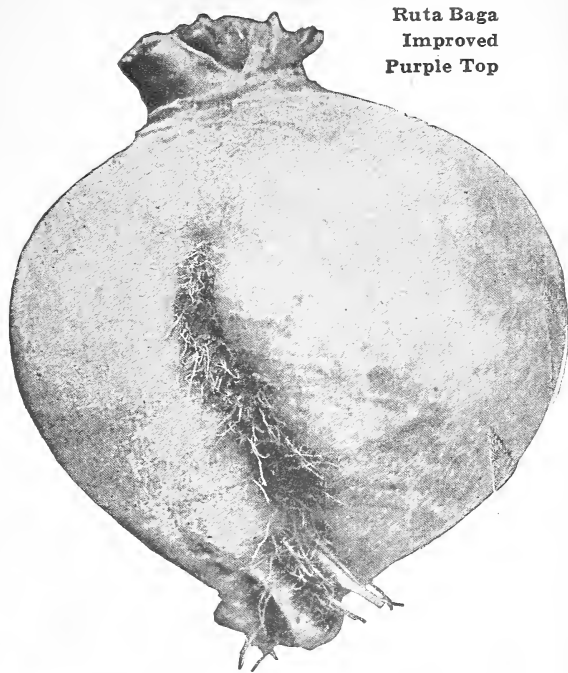
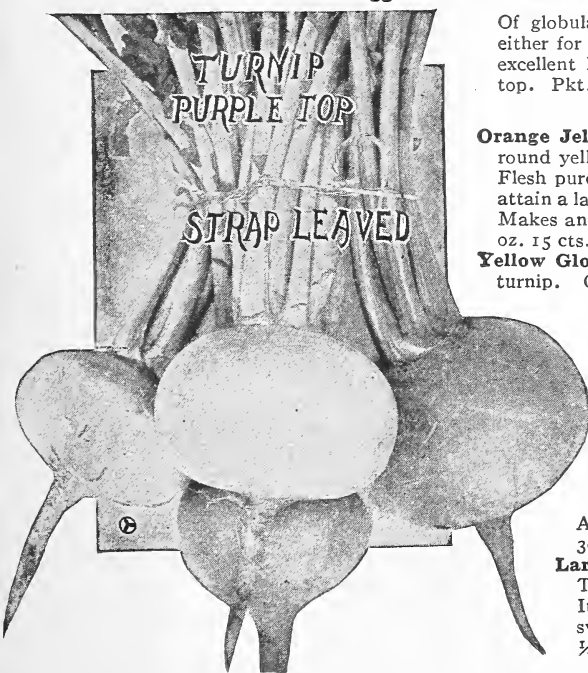
WHITE FLESHED SORTS

Early White Flat Dutch. (40 days) An excellent extra early, flat turnip. Strap leaved, mild flavor, fine quality. To be at their best should be used when small as they are more tender. Also grown for a fall crop. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. 85 cts.

White Egg. (50 days) In White Egg we offer a quick growing pure white variety that is very popular. Solid, firm, flesh fine grained, cooking up sweet and tender. Egg shaped, skin pure white. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00



White Egg



Ruta Baga
Improved
Purple Top

Early Purple Top, Strap-Leaved. (55 days) This is very similar to the Early Flat Dutch, being purple or dark red on top and a few days later. Excellent quality and one of the most popular sorts. Largely grown for market. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. 85 cts.

Purple Top White Globe. (70 days)

This is the most popular turnip grown and is in much demand in all the markets. Of globular shape, very handsome, and of superior quality either for table or stock. It is early, of rapid growth and an excellent keeper. Flesh pure white, skin white with purple top. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. 85 cts.

YELLOW FLESHED SORTS

Orange Jelly or Golden Ball. (70 days) A very distinct, round yellow variety. One of the finest sorts for family use. Flesh pure yellow, fine grained, sweet and tender. Does not attain a large size but is firm, hard and of most excellent flavor. Makes an ideal fall crop to store for winter use. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. 85 cts.

Yellow Globe. (75 days) This is a large sized general crop turnip. Globe shaped, pale yellow with green top. The skin is smooth, flesh firm and sweet. A splendid variety for either table or stock and is an excellent keeper. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. 85 cts.

RUTA BAGA or SWEDE

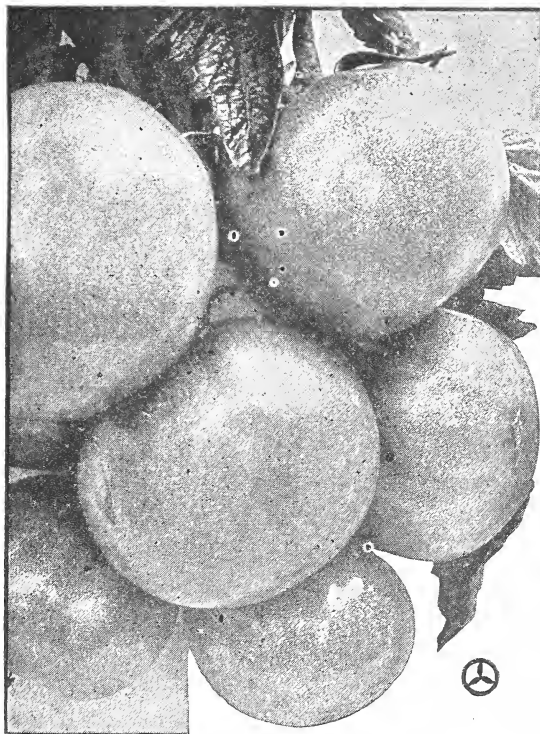
Improved Purple Top Ruta Baga. (95 days)

One of the best of the Swedes; hardy and productive; flesh yellow, sweet and well flavored; shape slightly oblong terminating abruptly, color purple above and yellow under the ground; rich in flavor.

A popular market sort. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 30 cts., lb. 85 cts.

Large White Ruta Baga. (90 days) (Sweet Russian)

This variety is most excellent either for table or stock. It grows to a large size; flesh white, solid, firm texture, sweet and rich; keeps well. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

**John Baer**

in clusters of 5 or 6 fruits, all ripening evenly together. Pkt. 10 cts., ½ oz. 25 cts., oz. 40 cts., ¼ lb. \$1.00, lb. \$3.50.

Dwarf Giant. (110 days) The largest of all the dwarf or tree tomatoes. Sometimes called Dwarf Ponderosa, which name well describes it. The fruits are large, smooth and of the finest quality. It is uniform in growth, producing an enormous crop of solid, fine flavored fruit. Its color is the purple-crimson so much desired in some markets. Pkt. 10 cts., ½ oz. 25 cts., oz. 45 cts., ¼ lb. \$1.50, lb. \$5.00.

Dwarf Stone (100 days) Stout, upright, compact growth. Fruit is as large as the late Stone, and same color, bright red. Is early as other dwarf varieties, and may be planted much closer. Pkt. 10 cts., oz. 40 cts., ¼ lb. \$1.25, lb. \$4.00.

John Baer. (85 days) Very large, free from core and of an attractive bright red color. Very prolific, one plant often having from fifty to seventy-five fruits which are borne in clusters and ripen evenly clear up to the stem; never bursts. Unexcelled for early home or market use. Pkt. 10 cts., oz. 35 cts., ¼ lb. \$1.00, lb. \$3.50.

June Pink. (85 days) An early variety, similar in habit to the famous Earliana, differing only in its color, which is pink instead of red. Early, blight resisting, long and heavy yielding. An excellent shipper on account of its reasonably tough skin. Pkt. 10 cts., oz. 40 cts., ¼ lb. \$1.25, lb. \$4.00.

Livingston's Coreless.

(110 days) All of the fruits are of marketable size. Always free from green core; ripens all over and through and right up under the stem, all at once. A grand, good slicing variety; the seed cells being surrounded by bright red, heavy, meaty and delicious flesh. Pkt. 10 cts., oz. 40 cts., ¼ lb. \$1.25, lb. \$4.50.

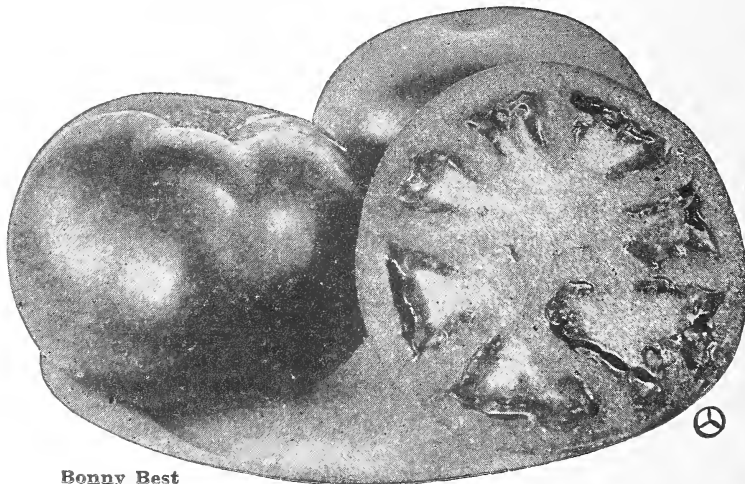
Livingston's Globe. (95 days) Large globe shape, always smooth, firm fleshed. With few seeds and ripens evenly. The color is a fine glossy rose, tinged with purple. Matures medium early and is one of the best forcing varieties that we have. Pkt. 10 cts., ½ oz. 25 cts., oz. 40 cts., ¼ lb. \$1.25, lb. \$4.00.

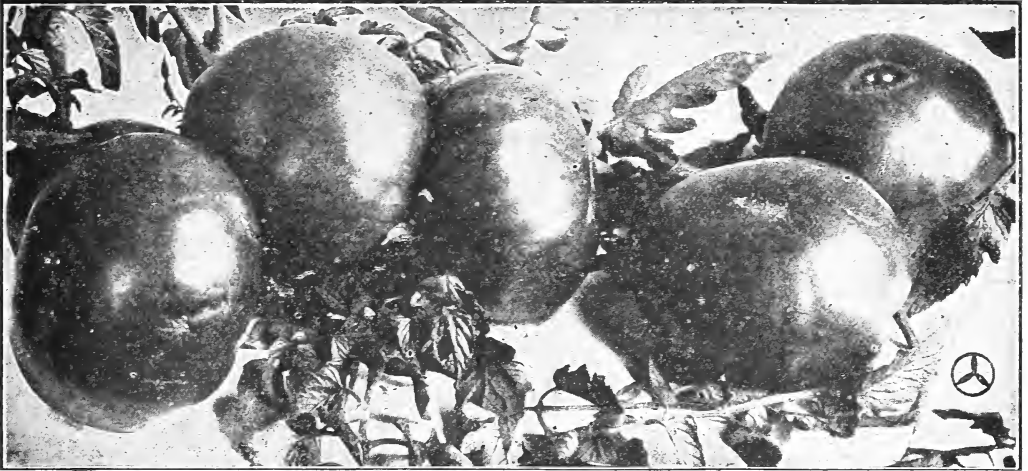
TOMATO

CULTURE. Sow in hot beds during March, or from six to eight weeks before they can be set out of doors; when the plants have four leaves transplant into shallow boxes, setting them four or five inches apart; give them plenty of air and endeavor to secure a vigorous but steady and healthy growth so that at the time of setting in the open ground they will be strong and stocky. Set out of doors as soon as danger from severe frosts is over. Seed may be sown in the open ground also at this time, and will make strong hardy plants, that will be excellent for fruiting. The choicest tomatoes are obtained by training the plants to stakes and keeping them pruned. Use stakes two inches square, five or six feet long. The main stem and two branches should be saved, cutting the others off just beyond the first cluster of blossoms. This treatment allows all the fruits to develop to perfection and none are lost from rotting on the ground. *One ounce will produce 3000 plants.*

Acme. (100 days) Of spreading growth; producing abundant medium sized fruits of irregular shape, in clusters of three to five. The skin is an even, purple-red color, the flesh dark red, fine in texture, slightly acid. Pkt. 10 cts., ½ oz. 25 cts., oz. 40 cts., ¼ lb. \$1.00, lb. \$3.50.

Bonny Best. (88 days) Large smooth fruit of a rich scarlet red, the color demanded by many markets. Fruit thick, with a small core, an excellent tomato for any purpose. Slices exceptionally well. Nearly globe shaped, slightly flattened at stem. Borne

**Bonny Best**



New Tomato "Wayahead"

TOMATOES—Continued

Stone. (125 days) A fine tomato for main crop, for market or canning. The fruit is perfectly smooth, of a beautiful red color and very large. It ripens evenly, and is free from rot, even in wet seasons when other sorts have rotted badly. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Wayahead. (85 days) A new variety, and one of the best. Extra early, resembling Earliana but preceding it, with handsome smooth, solid, red fruits. A heavy cropper, with a vigor which keeps up the size even on the latest set fruits. Pkt. 20 cts., $\frac{1}{2}$ oz. \$1.25, oz. \$2.00.

Yellow Ponderosa. (110 days) Identical with Ponderosa in quality and size but produces golden yellow fruits. Like other yellow tomatoes, Yellow Ponderosa is exceptionally free from acid, making it a desirable variety for home use and one of the most attractive to use in mixed color salads. Pkt. 10 cts., $\frac{1}{2}$ oz. 30 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

SMALL FRUITED SORTS

Red Pear. (95 days) Beautiful red pear shaped fruits in large clusters. Pkt. 5 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00.

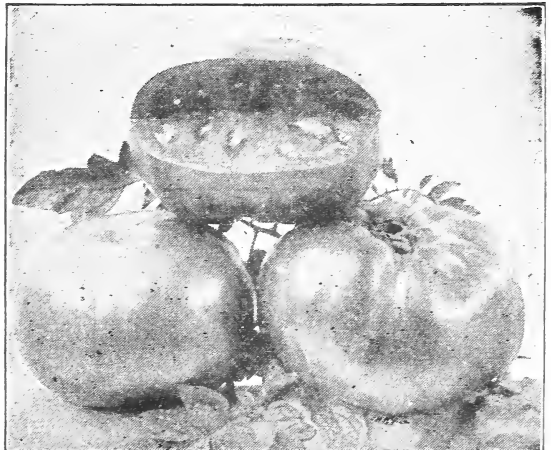
Yellow Pear. (95 days) Fruits a clear, handsome yellow. Very sweet and free from acid. Pkt. 5 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00.



Ponderosa. (110 days) In addition to its ponderous size, it is also very solid, there being but few seeds. In color it is a beautiful crimson throughout. Pkt. 10 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$5.00.

Red Rock. (115 days) We believe this the very best main crop red tomato ever offered. Very prolific, borne on strong disease resisting plants, and of excellent quality, very thick fleshed and meaty. One of the heaviest yielders. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Spark's Earliana. (85 days) Remarkable for its earliness, large size, uniform shape, attractive red color, and productiveness. The fruit is solid and the quality is all that could be desired. The leading early market variety. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.00.



Spark's Earliana



S & H CO. LAWN MIXTURES



"Velvet Sod."

A mixture of fine dwarf, close growing grasses, that will produce a neat velvety lawn and permanent sod in a short time. Weight, about 25 pounds to the bushel. One pound will seed about 300 square feet; 80 to 100 pounds are required for an acre. Per lb. 60 cts., 3 lbs. \$1.70; postage paid. By express, 5 lbs. at 40 cts. per lb.; 20 lbs. at 38 cts. per lb.

"Shady Lawn."

A modification of our famous "Velvet Sod" mixture, designed for use in shady places. Per lb. 70 cts., 3 lbs. \$1.90; 5 lbs. at 45 cts. per lb.; 20 lbs. at 40 cts. per lb.



IN FITTING THE GROUND FOR A LAWN, care should be taken to have the work properly done throughout, as in that condition it will last for years; but if slighted in the beginning it will be a constant source of annoyance and expense. If there is grading to be done, the top soil to the depth of eight or ten inches should be first removed to one side for reuse in finishing the grade. The soil should be thoroughly harrowed, then raked to reduce to as fine a condition as possible, as well as to level it, as nothing detracts so much from the appearance of a lawn as an uneven surface. As a fertilizer we would recommend pure bone meal as being lasting in its effects, and free from weed seeds. Apply at the rate of 600 to 1,000 pounds to the acre. Sow the seed in the spring as early as possible, the earlier the better, if the soil is in good condition, using **Storrs & Harrison's VELVET SOD LAWN MIXTURE**. After the seed has been sown it should be raked lightly so as to cover it, then thoroughly rolled.



STORRS & HARRISON'S RE-CLEANED GRASS SEEDS



We handle only the cleanest and finest grades of grass seed procurable. Values are based on quality, so in comparing prices, please remember that in every instance it is the cleanest and best stock it is possible to obtain. We do not guarantee prices on Grass and Clover Seeds. Prices herein are based on values at the time this catalogue went to press and are subject to market changes.

Prices quoted by the pound and 3 pounds are postage paid by us; if ordered by express, deduct 10 cents per pound. Larger quantities are by express or freight, purchaser paying charges.

Kentucky Blue Grass, Fancy Clean. Also known as June Grass, a valuable variety for lawns when mixed with other grasses, and especially valuable as a pasture grass. About three bushels to the acre for pasture, 14 pounds to the bushel. Lb. 60 cts. 10 lbs. and over, by express or freight, 45 cts.

Red Top Grass. Grows well in almost any soil and is valuable either for meadows, pasture or lawns, especially so for moist land. Unhulled. About two bushels sown an acre, 14 pounds to the bushel. Lb. 40 cts., 3 lbs. \$1.00. 10 lbs. and over by express or freight at 20 cts.

Fancy. Re-cleaned seed, 32 lbs. per bushel. Lb. 50 cts., 3 lbs. \$1.35. 10 lbs. and over by express or freight at 30 cts.

English or Perennial Rye Grass. A nutritious, quick-growing grass for meadows and pastures. It does well on sloping banks, as its roots are fibrous and mat-like. 24 pounds to the bushel. Lb. 40 cts., 3 lbs. \$1.00. 10 lbs. and over by express or freight at 20 cts.

Orchard Grass. A valuable grass for pastures, for sowing in orchards or shady places. It grows rapidly and does not suffer from close feeding. When sown alone, three bushels should be sown to the acre. 14 pounds to the bushel. Lb. 50 cts., 3 lbs. \$1.35; 10 pounds and over by express or freight at 30 cts.

Meadow Fescue or English Blue Grass. Especially suited for permanent pasture and is also fine for hay. Grows two to three feet high but not in tufts like Orchard Grass. The hay is very nutritious, whether dry or green. Succeeds even in poor soil, and as the roots penetrate deep (from 12 to 15 inches), it takes extremely dry weather to affect it; stands freezing very effectively. About 24 pounds of seed are sown to the acre. Lb. 40 cts. 10 lbs. and over by express or freight at 25 cts.

"HUBAM"—The New Annual Sweet Clover.

One of the most important plant or seed contributions in decades; its general use ensuring millions added to farm wealth, and safeguarding continued farm production. Of remarkable adaptability, it has prospered under excessive rainfall and irrigation; and on the other hand, has made seven feet in a season moistened by but one inch of rain. An annual legume, re-seeding if left until maturity.

BEES. Its fragrant, nectar-bearing bloom occurs in 2½ months after seeding, continuing eight to ten weeks in profusion. This is highly valuable in bee-culture, and Apiarists are among its most enthusiastic supporters.

HAY. Makes a quick, heavy, nutritious hay crop 5 to 10 feet in height, in competition with other hay crops which have failed. It is of like value for fall pasture.

GREEN MANURE. Possibly its greatest value, however, is as a green manure for soil improvement. Of quicker and more luxuriant growth than other legumes, it consequently feeds back into the exhausted soil, a super-supply of life-giving, enriching nitrogen and organic matter. Sown broadcast (at rate of 10 to 14 pounds per acre) with Wheat, Barley, Oats or Rye, and turned under late in fall after the grain is harvested, hubam makes possible in one year a soil fertility heretofore acquired by rotation in not less than two.

PRICE. ½ lb. 40 cts.; 1 lb. 75 cts. By express or freight, 10 lbs. or more at 50 cts. per lb.

SELECTED CLOVER SEEDS

Alfalfa. (Lucerne) For bringing up poor land it is the best of the clovers, as it not only produces large masses of foliage but forces its roots deeply into the earth. On land that is not naturally rich it needs fertilizing to help it get started. If there is no lime in the soil a top dressing of it should be given when the land is plowed. For inoculation, see "Nitragin" offered below. It should be mowed often enough during first season to keep the weeds down, being careful to cut above the crowns of the Alfalfa plants. Not adapted to low wet land. Lb. 50 cts. Write for samples and prices on larger quantities. *Sow early in spring or fall at rate of 20 pounds per acre.*

Alsike. (Swedish) An excellent variety, of luxuriant growth and very sweet; valuable for pasture or ensilage especially on moist land; makes good bee forage. *Sow five to six pounds per acre.* Lb. 35 cts. Write for prices on larger quantities.

Scarlet or Crimson Clover. Brilliant scarlet flowered annual; very productive and greedily eaten by cattle, remains green longer than the red variety, and is excellent for bee food. Largely used for green manuring; sown in August it may be plowed under the following June. *Sow fifteen pounds per acre.* Lb. 40 cts. 10 lbs. and over by express at 30 cts.

Sweet Clover. (Bokhara) (Melilotus alba.) This legume is native to all parts of this country and is the most beneficial of all crops for building up worn-out land. Thrives on all soils, but like all clovers requires lime which should be supplied on land where it is lacking. Makes fine pasture for bees and good quality of hay relished by all stock. Does best when seeded alone. Sow in spring or fall. *Twenty to thirty pounds are required per acre.* Lb. 30 cts. 10 lbs. and over by express at 20 cts.

White Dutch Clover. Excellent for lawns in mixtures with grasses. A good pasture clover. *Sow at the rate of six to eight pounds per acre.* $\frac{1}{2}$ lb. 45 cts., 1 lb. 85 cts., 5 lbs. and over by express at 70 cts.

MISCELLANEOUS FARM SEEDS

Prices per single pound and 3 lbs., where listed, are postage paid by us; in larger quantities by express or freight, purchaser pays charges. Prices subject to market changes.

Broom Corn. (Imp. Evergreen.) This variety is extensively grown on account of the color and quality of the brush, which is long, fine, straight and always green. Grows from eight to ten feet tall. Plant in rows $3\frac{1}{2}$ feet apart and 3 inches apart in the row. Lb. 35 cts. 10 lbs. and over at 20 cts. per lb.



Restores and Maintains Soil Fertility

ORIGINAL SOIL INOCULATOR

A boon to farmers growing Alfalfa, Soy Beans, Clovers and other legumes.

It is safe and reliable. Contains more nitrogen gathering germs by millions than any jelly culture; costs much less. Looks like deep, rich soil.

Comes in tin cans; easy to open, and easy to mix with seed. Guaranteed for one year; expiration date stamped on every package. Sold on bushel basis (not acre sizes), which means that NITRAGIN COSTS LESS.

PRICE—

$\frac{1}{2}$ -bu. size (for 15 lbs. of seed).....45 cts

$\frac{1}{4}$ -bu. size (for 30 lbs. of seed)65 cts

1-bu. size (for 60 lbs. of seed)\$1.05

5-bu. size (for 300 lbs. of seed)4.85

COST PER ACRE—Above prices mean that

NITRAGIN will cost you—

20 cts. per acre if you sow 12 lbs. of seed.

25 cts. per acre if you sow with 15 lbs. of seed.

33 $\frac{1}{3}$ cts. per acre if you sow with 20 lbs. of seed.

WHEN ORDERING—always mention the

crop you want it for.

EVERY GARDEN NEEDS "NITRAGIN"

The 3-in-1 Bacteria Fertilizer for
PEAS, SWEET PEAS AND BEANS

Insures a better quality, larger crops and faster growth. NITRAGIN germs feed the plant nitrogen, taking it from the air in the soil. This helps to make the plants strong and vigorous. The germs greatly multiply the nodules (lumps) on the small hairy roots. Each lump is stored up nitrogen plant food. The more lumps the more fertile the soil. You mix Nitragin with the seed and plant in the usual way. NITRAGIN is the original—(consult any library). Endorsed by Agricultural Departments, Experiment Stations and thousands of users.

PRICE OF GARDEN PACKAGE: (Inoculates from 1 oz. up to 8 lbs. of seed), 22 cts. postpaid.

Tennessee Millet. No other plant that has yet been introduced for grass or forage has been able to produce anything approaching the enormous yield of Millet when grown under favorable circumstances. The seed we offer is genuine Tennessee grown, of the finest quality. There is a wonderful difference in true Southern grown Millet when compared with the cheap Western grown. True Southern Millet will produce double the amount of hay produced from Western grown seed. *Sow for feed one bushel to the acre.* Lb. 30 cts., 10 lbs. at 12 cts., 50 lbs. and over at 9 cts.

Japanese Millet. This grows six to eight feet high, stands remarkably well, and yields from 10 to 12 tons green fodder per acre. An excellent crop for the silo. It may be sown from the middle of May to the first of July, broadcast at the rate of fifteen pounds per acre. Lb. 30 cts., 10 lbs. by express at 12 cts., 50 lbs. and over by express or freight at 10 cts. per lb.

Hairy Vetch. (Vicia Villosa) This legume is rapidly springing into favor in the North as a fall sowing crop. Grows luxuriantly and is one of the greatest nitrogen gatherers. Requires no special soil preparation, neither is it particular as to soil, and is therefore very valuable for bringing up poor land. Makes a valuable and nutritious hay. If used for this purpose it should be cut in the spring when seed pods which resemble small peas are just forming. Its feed value is equal pound for pound with prime wheat bran. In the latitude of northern Ohio, Vetch should be sown by September 15, to get well started that fall. Farther south it may be sown later. *Rate of thirty to forty pounds to the acre.* Lb. 45 cts., 3 lbs. \$1.25. 10 lbs. and over at 30 cts.

Rape. (Dwarf Essex) Extensively grown for forage, especially for sheep; makes excellent green feed for poultry. They can be turned into it within six to eight weeks after sowing. Cattle and sheep are apt to bloat if the leaves are wet or they are turned in hungry and allowed to fill themselves. Sow in June or July, in rows two and one-half feet apart at the rate of five pounds seed per acre, or may be sown broadcast at the rate of eight pounds per acre; it may be sown in April with oats, for an early crop after the oats are cut. Lb. 40 cts., 3 lbs. \$1.00, 10 lbs. and over at 15 cts., 50 lbs. and over at 12 cts.

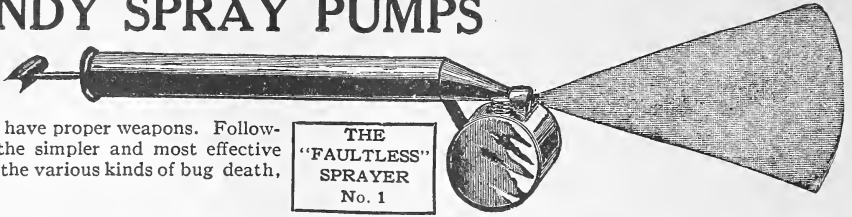
Sudan Grass. This forage crop is of immense value to the south or any section not sufficiently supplied with rainfall. It is a great drought resister and makes an excellent quality of hay. Grows from five to nine feet tall and stools freely when given plenty of room or after cutting. Do not sow until the ground has become thoroughly warm. *16-24 pounds to the acre broadcast, or 4-6 pounds in drills, 18-24 inches apart.* Lb. 35 cts., 3 lbs. \$1.00., 10 lbs. or over by express at 18 cts. per lb.

Sugar Cane. (Early Amber) The standard variety for the North. The beautiful amber colored syrup it produces is thought to be superior in flavor to any other, and for sugar is unsurpassed. Valuable as a forage plant. Makes excellent milk-producing feed either green or dry. *Six pounds are required per acre in rows, or 40 to 50 pounds broadcast or drilled.* Lb. 30 cts., 25 lbs. and over at 10 cts.

Sunflower. (Mammoth Russian) Of considerable value as a poultry food. Many people insist it clears the air of malaria germs. In small gardens the heavy, erect, growing stalks may be utilized for supporting Kentucky Wonder or other pole beans. Lb. 30 cts. By express, 10 lbs. or over at 12 cts. per lb.

HANDY SPRAY PUMPS

To successfully cope with enemy destroyers of plant life, one must have proper weapons. Following are a few of the simpler and most effective pumps for spraying the various kinds of bug death, or prevention.

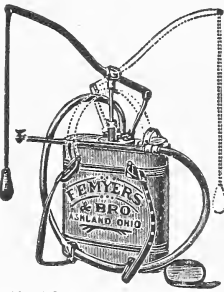


THE
"FAULTLESS"
SPRAYER
No. 1

THE "FAULTLESS" SPRAYER No. 1

Above is absolutely the best small, simple mist sprayer for general use against insects, on the market. Made of tin, substantially jointed and reinforced; greatest durability and spraying force in its class. Adapted for throwing either liquids or dry powder. Price, 75 cts. each, or \$1.00 postpaid.

MYERS GALVANIZED (No. 330) KNAPSACK SPRAY PUMP



Adopted and recommended by the U. S. Government as the best distributor of disinfectants for mosquitos and other poisonous insects.

The galvanized tank holds 5 gallons, and is fitted with lid and strainer which can be removed. The pump is the regular Myers Brass Bucket Spray Pump, with large air-chamber, brass ball valves, solid plunger and agitator. It is so arranged that no water can drip on the operator. The pump is also fitted with handle so the operator can use it the same as tank with bucket pump. The handle lever can readily be

shifted from one shoulder to the other at will. Price: Pump and galvanized tank, fitted with 5½ feet of ½ inch hose, stop cock, pipe extension, and nozzle which can be graduated from a fine mist spray to a solid stream.....\$15.00

Cog Gear
Bucket

MYERS BUCKET PUMPS



Constructed entirely of brass, with malleable iron foot rest. Will throw a solid stream 50 feet; valuable for spraying trees, washing windows or buggies, extinguishing fires, sprinkling lawns or flowers, etc. One superior feature is the extra jet for keeping the spray material mixed and agitated.

COG GEAR. (No. R-324)
1½ inch brass cylinder and patent cog-gear handle makes easy work and extra capacity. Price: The pump, with agitator, complete with detachable hose and graduating fine, sprinkling and solid stream nozzle.....\$7.75

LITTLE GIANT. (No. 327½)
Special feature is the arrangement of air-chamber and

Little
Giant



cylinder side by side which makes the down stroke do all the work; thus relieving any upward pull on the bucket. Spray is continuous regardless of plunger action. Price: The pump, with agitator complete with hose and combination fine, coarse-spray and solid-stream nozzle.....\$5.00

MYERS 8 FOOT PIPE EXTENSION

for use on above two pumps, each.....\$1.25

INSECTICIDES and FUNGICIDES

ARSENATE OF LEAD POWDER.

A chemical combination of Arsenic which is the poisoning agent, and Lead which serves to hold the poison upon the foliage and also counteracts possible damage to the leaf itself. An efficient destroyer of all leaf-eating insects which attack either fruit or shade trees, shrubs, flowers or vegetables. By express only. 5 lb. cartons, \$2.00 each 1 lb. cartons, 75 cts. each.

BORDO POWDER.

A highly efficient powdered form of Bordeaux Mixture; non-poisonous, but of great effectiveness when applied against fungus of all kinds. 1 lb. cartons, 75 cts. each; by express only.

NIAGARA NICOTINE POWDER

A highly efficient destroyer of all sucking insects, designed to combat Thrip, Aphids, Spiders et al. Put up in an easily handled, fine powder form which works to perfection in the Niagara Hand Dust Gun. Must be shipped by express only. 1 lb. package 50 cts., 5 lb. package \$1.50.

"NICO-FUME LIQUID."

A highly concentrated liquid Nicotine solution for fighting sucking insects, such as Thrip, Aphids and Spider. Used according to directions, in a fine spray and with as much force as possible, it makes a very effective and inexpensive insecticide. Being highly poisonous, it must be stored in a safe place away from children. Can be shipped in express or freight orders only, not mailable.

½ lb. can.....\$0.75 The proportion for spraying is one
1 lb. can..... 2.35 to two teaspoonfuls added to a gallon
4 lb. can..... 8.50 of water.

SULPHO-TOBACCO SOAP.

Useful for ridding house plants of bothersome insects. Especially efficient in removing scale from Palms and Ferns. Small cakes, enough to take care of the ordinary plant collection, by mail, postpaid, for 20 cts.

PLANT FOODS

See "OYAMA PLANT FOOD"—Page 33

STADLER'S SUPERIOR HOUSE PLANT FOOD

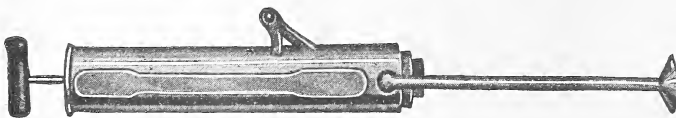
SUPERIOR House Plant Food has decided advantages over all other forms of plant food on the market, for it can be used by the home gardener, florist and farmer in any manner desired. Being composed of ingredients that are water soluble, it can be used either

in its original dry form by mixing it with the soil, or can be used in liquid solution. Clean and odorless.

It not only feeds the plant, but increases the foliage, hastens maturity and improves the quality by giving the plant a healthier stock and better color.

Just dissolve a level teaspoonful in water, and pour on plant at roots according to directions on box. Harmless to the most delicate plant life. Furnished in 25 cent, 50 cent and \$1.00 sizes. The largest size contains 600 treatments and should be enough for a year's supply.

NIAGARA HAND DUST GUN



Niagara Hand Dust Gun

This is a most useful, practical and handy instrument, simply although well constructed, for applying all kinds of powder insecticides.

\$1.50 each by express; or \$1.75 by mail postpaid.



Planet Jr. Garden Tools



Large Planet Jr. catalogue sent free upon request. Describes 70 various tools, including Seeders, Wheel-hoes, Horse-hoes, Harrows, Orchard and Beet Cultivators. A request on a postal brings your copy. Prices subject to change.



No. 12 Double Wheel Hoe
Price, \$13.00

THIS perfected wheel hoe is invaluable for use in all small crops. Its variety of work is almost incredible. The tools shown and sold with No. 12 are what gardeners use most, and others can be added as wanted.



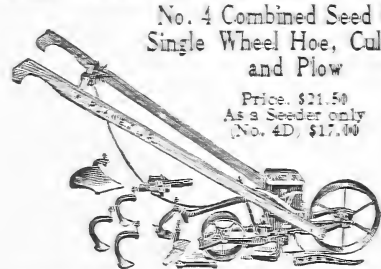
No. 19 Planet Jr. Single Wheel Hoe
Price, \$7.00

THE whole combination will delight the suburbanite or the boy who knows that a certain amount of garden work is to be part of his service. Women, younger or older, will find in this tool a light running wheel hoe that will save them hard work and help much to supply the table with fine vegetables.



No. 25 Combined Hill and Drill Seeder, Double Wheel Hoe, Cultivator and Plow
Price, \$20.00

THIS combined machine is intended for a class of gardeners who have a large enough acreage in crops for a Double Wheel Hoe to be used to good advantage, and yet prefer not to buy a separate wheel hoe. As a wheel hoe it is identical with the No. 12 Double Wheel Hoe, the best machine on the market. The change from drill to wheel hoe takes but a moment, and the entire combination is one we can recommend and guarantee satisfactory.



No. 4 Combined Seed Drill, Single Wheel Hoe, Cultivator and Plow
Price, \$21.50
As a Seeder only (No. 4D), \$17.00

THIS admirable tool combines in a single convenient implement a capital hill-dropping seeder, a perfect drill seeder, a single wheel hoe, a cultivator, and a plow. It holds two quarts and as a seeder sows in continuous rows or drops in hills at five different distances. It is useful almost every day of the season, at every stage of garden work. With this one implement the small farmer can do practically all the work in his small crops.

OYAMA PLANT FOOD

A WONDERFUL JAPANESE DISCOVERY



MAKES PLANTS THRIVE

By using OYAMA on house plants it will keep them in bloom all winter and as green and luxuriant as in spring outdoors the summer. IT WILL MAKE YOUR FLOWER AND VEGETABLE GARDEN WONDERFULLY PRODUCTIVE and the envy of your neighbors.

It makes no difference how healthy or delicate your plants may be. OYAMA WILL BRING OUT NEW FLOWERS AND FOLIAGE and cause a marvelous transformation.

Contains no bones, fish scraps or manure.

FOOD FOR PLANTS • FLOWERS • VEGETABLES CLEAN • ODORLESS • SAFE TO USE

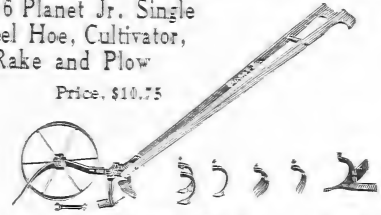
OYAMA is fine for all kinds of plants, ferns, shrubs, roses, bulbs, lawns, berries, fruits and flowers. Gives seedlings a wonderful start and PRODUCES EARLY VEGETABLES.

OYAMA contains 100% nitrogen. It keeps the soil rich but odorless. Highly concentrated, easily applied and economical to use. NEVER FAILS TO PRODUCE WONDERFUL RESULTS.

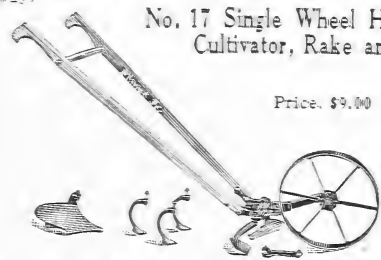
Full directions with every package.

House Plant Size, makes 6 gallons. 40¢
Garden Size, 12 1.10

No. 16 Planet Jr. Single Wheel Hoe, Cultivator, Rake and Plow
Price, \$10.75



THE highest type of Single Wheel Hoe made. Light, but strong and can be used by man, woman or boy. Will do all the cultivation in your garden in the easiest, quickest, and best way.



No. 17 Single Wheel Hoe, Cultivator, Rake and Plow
Price, \$9.00

THIS single wheel hoe has a very full set of tools, several of them being of new design, such as have been found to work in the very best manner. The tools are a well-shaped plow for marking out, plowing, covering, and late cultivation; a pair of 6-inch shield hoes and three all steel patent cultivator teeth.

Planet Junior Tools last a lifetime; the first cost being the only expense.



SELECTED FLOWER SEED

Flowers are enjoyed by everyone and are so easily raised from seeds that any home can have an abundance of blossoms during the entire year. Those we offer in the following pages are the products of the best American and English growers. No better strains are to be obtained at any price. Clear and complete directions for sowing are printed on each packet.

Flowers are usually known as **Annuals**, **Biennials** and **Perennials**.

Annuals bloom and ripen seed the first year and then perish.

Biennials do not generally bloom the first year and are in perfection the second year only.

Perennials flower several years in succession, many blooming the first year from seed sown early, and are used for permanent plantings.

Hardy Perennials and **Biennials** may be sown either in early Fall or Spring and require no protection through the Winter. **Hardy Annuals** may be sown either in late Fall or Spring.

Half Hardy Annuals, **Biennials** and **Perennials** can not be sown in open ground until warm weather; they may if desired be started early inside and transplanted afterwards. The latter two need protection in Winter or may be carried through in cold frames or greenhouses.

We are often asked to name the various Flowers suitable for cutting and to answer this query we have designated all such sorts with this character. ☼

☼ S. & H. Co. FLOWER SEED COLLECTIONS ☼

Before the opening of the shipping season, we put up great quantities of the collections named below.

The varieties cannot be changed from the ones named for the above reason.

These contain the very best seeds and of the varieties that invariably give the greatest satisfaction; they aid in making the flower garden a success for the reason that they are all proven kinds.

20 PKTS. BEAUTIFUL, FREE FLOWERING, EASILY GROWN ANNUALS

Coll.
C

Asters, Choice Mixed.
Alyssum, Sweet.
Antirrhinum, Giant Mixed.
Bachelor's Button, Mixed.
Balsam, Double Camellia
Flowered, Mixed.
Cosmos, Mixed.
Larkspur, Mixed.
Morning Glory, Choicest Mixed.
Marigold, Mixed.
Pinks, Double Choice Mixed.

Mignonette, Large Flowered.
Nasturtium, Tall, Finest Mixed.
Nasturtium, Dwarf, Finest Mixed.
Pansies, Mixed.
Poppy, Annuals Mixed, Double.
Petunia, Finest Striped and Blotched.
Phlox, Grandiflora, Fine Mixed.
Sweet Peas, Mixed.
Verbena, Extra Choice Mixed.
Zinnia, Fine Mixed.

POSTPAID
FOR
50
CENTS

S. & H.
Co.
10 Pkt.

"LITTLE FOLKS" COLLECTION of FLOWER SEEDS

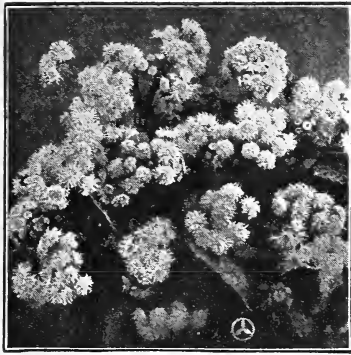
All children love flowers and take great pleasure in having their own plot of ground to work. We have selected this collection of easily grown annuals especially for the children. Each packet is full sized and contains a generous amount of seed.

Asters, choice mixed.
Candytuft, mixed.
Phlox, mixed.
Sweet Peas, Mammoth, mixed.
Dwarf Nasturtium, choice mixed.

Marigold, mixed.
Mignonette, large flowered.
Poppy Double, mixed Peony flowered.
Zinnias, Double mixed.
Petunia, fine mixed.

ONE
PACKET
OF
EACH

POSTPAID
FOR
25
CENTS

**Ageratum Tom Thumb****Alyssum Little Dorrit****Anchusa Dropmore**

AGERATUM

Little fluffy, bristly balls of color in sizeable clusters, liberally supplied from early summer until autumn. Being low and compact, they are mainly utilized for edgings or narrow borders. Half hardy annual.

Mexicanum Mixed. 2 feet. Both blue and white flowers. Pkt. 5 cts.

Tom Thumb. 6-inch. Dwarf and compact, particularly valuable for edging; bright blue. Pkt. 5 cts.

ALYSSUM

Hardy annual. White, sweet scented edging and basket plants. For borders, sow thickly; for winter bloom, sow in August and transplant to pots.

Little Gem. Makes a perfect "carpet of snow" not over four inches in height, commencing to bloom in spring when very small, and continuing without interruption until late fall. Pkt. 5 cts., $\frac{1}{4}$ oz. 25 cts.

Sweet Alyssum. Not over six inches high on account of its trailing habit; very sweetly fragrant. Pkt. 5 cts., $\frac{1}{4}$ oz. 10 cts., oz. 35 cts.

Little Dorrit. Full, compact clusters on numerous upright, six-inch stems; pure white. Pkt. 5 cts., $\frac{1}{4}$ oz. 25 cts.

AMARANTHUS

Tricolor. (Joseph's Coat) Beautiful foliage plant, growing three to five feet high, with ornamental leaves variegated in red, yellow and green. They are useful as borders for taller growing plants or for the centers of dwarfed beds. Should be grown in warm sunny situations and given plenty of room to develop. Pkt. 5 cts.

Sunrise. Intensely brilliant and effective, with its bronzy-crimson foliage, each branch tipped with a large tuft of scarlet-carmine leaves. This is valuable to obtain dark and rich color contrast, and should be planted generously. Pkt. 10 cts.

ANCHUSA DROPMORE

Grows bushily to 4 or 5 ft. with broad, rough foliage. Breaks out all over with showy clusters of deep gentian blue, in spring an almost solid mass of color, with intermittent flashes throughout the summer. Pkt. 15 cts.

ANEMONE © (Windflower)

Coronaria. (Poppy Anemone) A delightful type belonging to the early and late fall. Its bloom is solitary, but numerous, large, on slender stems, ideal for vase bouquets. Perennial, blooming the first year if sown early and shaded until plants appear. Mixed colors. Pkt. 10 cts.

ANTIRRHINUM (See Page 36)

AQUILEGIA © (Columbine)

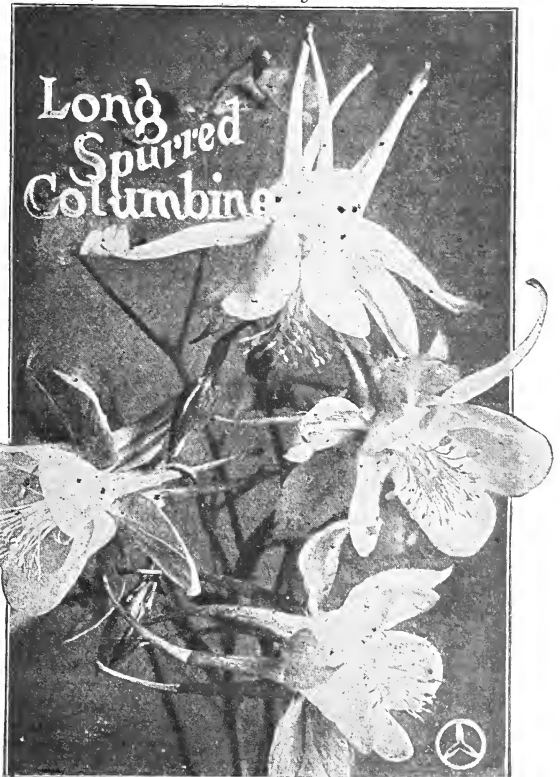
The general appearance of "Columbines" with their deep cut, round-lobed foliage and nodding flower stems, expressing so many lovely shades of color, is graceful, airy and distinctive, typical of spring time. They are used liberally in low borders to offset any appearance of formality; and provide an unfailing succession of cut flowers, well into summer. Hardy perennial.

Chrysantha. Heavily spurred yellow flowers of canary to deep yellow. Pkt. 10 cts.

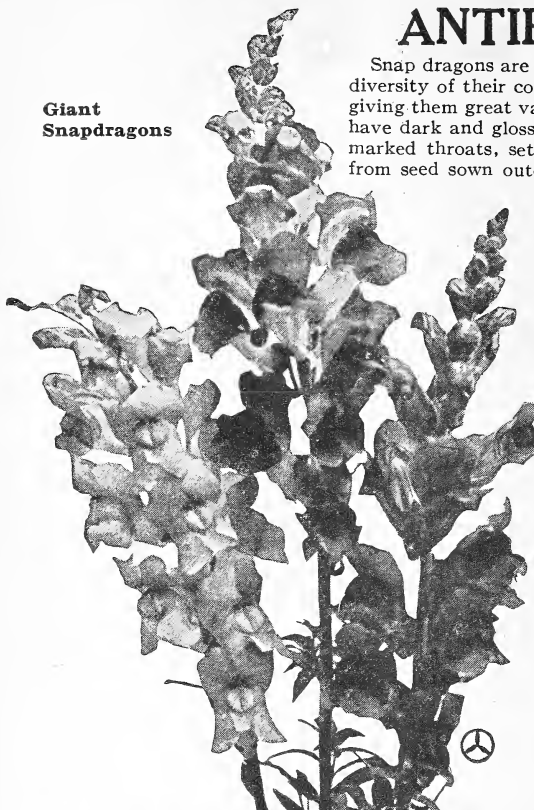
Cerulea. Sepals blue, petals white. Making a very dainty effect. Pkt. 10 cts.

Long Spurred Hybrids. A choice mixture of long spurred varieties in various colors, in which the various shades of blue are predominant. Pkt. 15 cts.

Mixed Double. These double flowers are more bulky. Best colors. Pkt. 5 cts.



**Giant
Snapdragons**



ANTIRRHINUM® (Snap Dragon)

Snap dragons are among the most popular bedding plants; the richness and diversity of their colors, their great freedom and protracted blooming season giving them great value for garden color masses, as well as for cutting. They have dark and glossy leaves; and curiously pea-shaped flowers with uniquely marked throats, set densely in long, upright racemes. They bloom in July from seed sown outdoors in early May, but for earlier bloom, seed should be started indoors during March. Succeed best in dry loamy soil. Half hardy perennial.

TALL SNAPDRAGONS

(MAJUS GRANDIFLORUM)

An improved, very large flowered strain especially suited to forcing for long stemmed cuts; about 2 feet.

Delicata—Rose pink. **Garnet. Golden King.**

Rose Scarlet. Queen Victoria—Pure white.

Fire King—Flaming red and yellow.

Othello—Richly shaded maroon.

Rose Carmine—Very bright and showy.

Price of above. Pkt. 10 cts. each.

Majus Grandiflorum Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

HALF-DWARF SNAPDRAGONS

(MAJUS GRANDIFLORUM NANUM MEDIUM)

Dwarf growing (about 18 inches), but with equally large flowers as the type, in a fine color mixture. Being more compact, are particularly good for bedding.

Amber Queen. Amber, suffused chamois. Pkt. 10 cts.

Bonfire. Orange buff, shaded scarlet. Pkt. 10 cts.

Crimson Queen. An intense shade. Pkt. 10 cts.

Daphne. Pearl Pink. Pkt. 10 cts.

Defiance. Fiery scarlet. Pkt. 10 cts.

Firebrand. Scarlet, with orange lips. Pkt. 10 cts.

Golden Queen. Clear yellow. Pkt. 10 cts.

Mont Blanc. Pure white. Pkt. 10 cts.

Dwarf Snapdragons Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

ASTERS

Asters are among the most popular and easily grown of all our annuals.

By making a sowing of each of the various sorts, a continuance of flowers may be had from early Summer until frost. For early flowers, sow the seed in house or green-house during March or April and transplant to the open ground in May. For later flowers, which are the finest, sow thinly in the open ground early in May, transplanting as soon as plants are large enough. Half hardy annuals.

Early. First bloom in July.

EXTRA EARLY EXPRESS (Comet)

These extra early Asters, of the well known Comet type, are the largest early Asters grown. Well developed flowers range from $3\frac{1}{2}$ to 4 inches across, very free of yellow centers and borne upon stems of good length. Plants reach a height of about 18 inches. **Dark Blue.** Pkt. 10 cts., $\frac{1}{8}$ oz. 30 cts. **Lavender.** Pkt. 10 cts., $\frac{1}{8}$ oz. 30 cts. **Rose.** Pkt. 10 cts., $\frac{1}{8}$ oz. 30 cts. **White.** Pkt. 10 cts., $\frac{1}{8}$ oz. 30 cts. **Mixed.** Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.

"LAVENDER GEM"

A true lavender of splendid Comet type, borne on long strong stems, very early, and an ideal cutting variety. Pkt. 10 cts., $\frac{1}{8}$ oz. 40 cts.

QUEEN OF THE MARKET

Earliest of all the Asters. Grow about 12 inches high and very branching; the flowers on long stems valuable for cutting.

Snowdrift. Pure White. Pkt. 5 cts. **Crimson.** Pkt. 5 cts.

Light Blue. Pkt. 5 cts. **Pink.** Pkt. 5 cts. **Scarlet.** Pkt. 5 cts.

Dark Blue. Pkt. 5 cts. **Any six packets of above for**

25 cts. Mixed. Pkt. 5 cts., $\frac{1}{8}$ oz. 20 cts.



Extra Early Express Asters

Mid-season Asters. Commencing in August.

KING TYPE. This type is quite distinct owing to the very double petalage, which is characteristically quilled, at times almost needle-like. They are strong and sturdy, averaging 18 inches in height; with an abundance of large, perfect flowers for three months.

Blue King. A rich color, very noticeable in contrast with lighter shades.

Crimson King. A true rich, deep crimson; one of the choicest Kings.

Lavender King. Soft, pretty, lavender. **White King.** Pure white.

Rose King. An enormous quilled Aster, reaching a diameter of four and five inches under cultivation. Brilliant rose color. **All Kings.**—Pkt. 10 cts. each.

Finest Mixed Kings. Pkt. 10 cts., $\frac{1}{8}$ oz. 30 cts.

"LADY ROOSEVELT." One of the finest of recent introduction; perfect in shape and Comet type; color a magnificent rose-pink; long strong stems and for cutting has no superior. Our seed comes from selected stock and is of first quality. Pkt. 10 cts., $\frac{1}{8}$ oz. 35 cts.

"SENSATION." This is a new variety, genuinely red. In shadow, its color tone is deep garnet, or ox-blood red; but sunshine brings out the life and brilliancy of fire. Its flowers average about $3\frac{1}{2}$ inches across, borne very freely throughout August and September on 12 inch stems. The plants are quite branchy, about 18 inches high. Pkt. 10 cts., $\frac{1}{8}$ oz. 35 cts.

CREGO. This section produces the largest flowers of the Comet type; very full and fluffy, around five inches in diameter. When cut, this group outlasts all others of the type. **Crego Crimson.** **Crego White.** **Crego Shell Pink.** **Crego Lavender.** **Crego Purple.**

Above Separate Colors.—Each; Pkt. 10 cts., any 3 pkts. for 25 cts.

Crego Mixed. (All Colors) Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.

MIKADO. This shaggy group is derived from the Comet type with distinct arrangement of narrow petals which are very long and gracefully reflexed, outer ones showing to full extent; while those in center bend and curl across each other so as to give the entire flower a fluffy appearance. Of gigantic size, after spreading to six inches.

Mikado Crimson. **Mikado Lavender.** **Mikado White.**

Mikado Pink (or "Rochester"). The exquisite Enchantress shade.

The Foregoing.—Pkt. 10 cts., 3 pkts. 25 cts., $\frac{1}{8}$ oz. 35 cts.

Mikado Mixed. Mixture of above colors. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.

GIANT COMET and appreciated for its striking resemblance to the Japanese Chrysanthemums. Flowers are large, in twisted, curled and crested formations. $1\frac{1}{2}$ feet. **Giant Comet Crimson.** **Giant**

Comet Light Blue. **Giant Comet Pure White.** **Giant Comet Dark Blue.** **Giant Comet Light Pink.** **Above Separate Colors.**—Pkt. 10 cts. each. **Giant Comet Mixed.** Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.

Late Asters. In prime from September on.

"HEART OF FRANCE." This new late Aster opens red as the purest ruby, deepens with age and retains its remarkable beauty to the very end. The flowers are large and full, with never a trace of hollow center, larger than any other dark sort. The plants are of branching type and very robust habit, 24 inches high. The stems are long and strong and have very few laterals. The plants begin to bloom quite early, open fully with the midseason varieties, but reach their supreme glory in September; retaining their brilliancy and luster for a longer period than any other color. Pkt. 15 cts., 2 pkts. for 25 cts.

"CRIMSON GIANT." This new late variety is very brilliant in beds or borders, revealing all the good qualities of the Branching type, although itself of upright growth 15 to 18 inches high. Its flowers are densely double, very large (seldom under five inches), aglow with the richness and brightness of blood-crimson. Pkt. 15 cts., 2 pkts. for 25 cts.

LATE BEAUTY Plants about 2 to 3 feet high of branching habit, commencing to bloom in early September and lasting until destroyed by frost. Flowers large, borne on long and stout stems from 18 to 24 inches long.

Azure Fairy. Sky blue. Pkt. 15 cts.

Rose Beauty. Pleasing bright rose. Pkt. 15 cts.

September Beauty. Delicate flesh pink. Pkt. 15 cts.

White Beauty. Giant white. Pkt. 15 cts.

Finest Mixed Beauty. Pkt. 15 cts.

LATE BRANCHING. A useful class for bedding, the strong, branching plants 2 to $2\frac{1}{2}$ feet high. The flowers are very large and double (5 inches wide), with long, strong stems, making splendid cut-flowers.

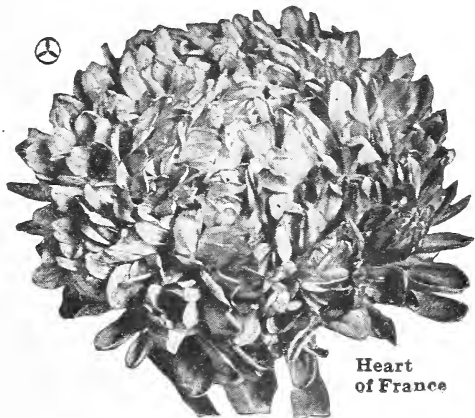
Branching Light Pink. **Branching Lavender.**

Branching Dark Red. **Branching Purple.**

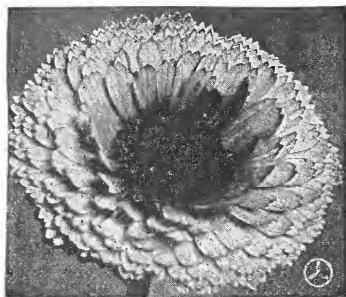
Branching Scarlet. **Branching White.**

Above.—Pkt. 10 cts. (Any 3 pkts. for 25 cts.), $\frac{1}{8}$ oz. 25 cts.

Late Branching Mixed. Pkt. 10 cts., $\frac{1}{8}$ oz. 20 cts.



Heart
of France



Calendula

BALSAM (Impatiens Balsamina)

Tropical plants, thriving in hot weather, if planted in good soil and well watered. Should be set about 18 inches apart. They grow up quickly and surely, from seed in the open during May. If wanted early sow indoors and transplant. This has a tendency to dwarf the plants, making them more satisfactory. Tender annuals.

GIANT DOUBLE CAMELLIA FLOWERED

The large, double, gaudily colored flowers are set like Hollyhocks along the 2 ft. stems, with slender leaves protruding.

Alba Perfecta. Pure white.

Rose King. Rich rose-pink.

Salmon Rose. True pink.

Scarlet. Intensely brilliant.

Above—each, pkt. 10 cts.

Mixed. Pkt. 5 cts., $\frac{1}{4}$ oz. 25 cts.

CALENDULA

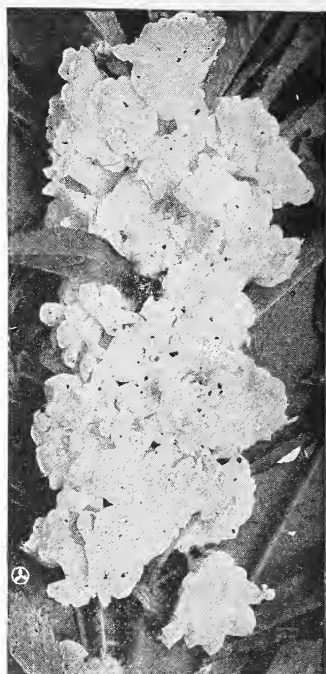
Hardy annuals; 1 ft. A wonderful profusion of flowers, ranging from ivory to orange. Valuable for bed and borders. Bloom until late fall.

Orange King. Bright orange red, with dark eye. Very double, often 3 inches across. Pkt. 5 cts., $\frac{1}{4}$ oz. 15 cts.

Choicest Mixed. All colors. Pkt. 5 cts., $\frac{1}{4}$ oz. 15 cts.



Calliopsis Golden Wave



Balsam—White Perfection

CALLIOPSIS or COREOPSIS

Sow where they are to remain, and thin to one foot apart.

Golden Wave. Bright golden flowers, two inches across, each distinctly marked with dark brown center. Hardy annual. Pkt. 5 cts.

Finest Mixed. (Red, orange, etc.) Hardy annual. Pkt. 5 cts.

Lanceolata Grandiflora. Beautiful hardy perennial; grows 15 to 18 inches high and produces its golden yellow flowers in great profusion. Pkt. 10 cts.

CAMPANULA (Bell Flower)

Well known perennials with bell-shaped flowers of varying size and type, which add wonderfully to the charm of summer gardens. Seed sown in the open in early April will develop sturdy little plants prepared to bloom in great profusion throughout the summer of next year. Transplant permanently in October and give winter protection.

Carpatica. (Carpathian Harebell) Fine for edging; six inches high. Thimble size bells borne very freely and continuously. Mixed blue and white. Pkt. 5 cts.

Medium. (Canterbury Bells) Long stemmed and large flowered, of deep pitcher shape. Colors range from blue and rose to white, in mixture.

—**Single Medium Mixed.** Pkt. 5 cts.

—**Double Medium Mixed.** Pkt. 10 cts.

Calycanthem. (Cup and Saucer) Practically the same as the type, except this form of Canterbury Bells is provided with an extra large calyx which gives a distinct impression of a cup and saucer.

—**Cup and Saucer Blue.** Deep, solid shade. Pkt. 10c.

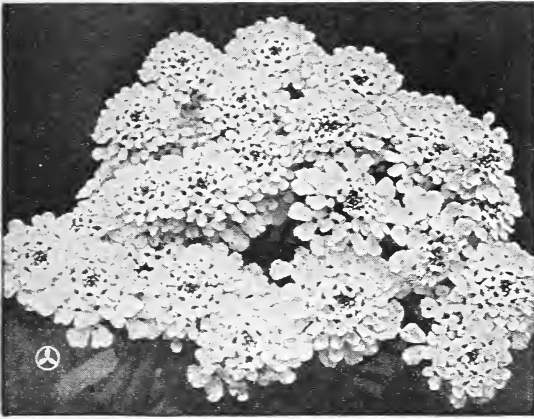
—**Cup and Saucer Rose.** Bright. Pkt. 10 cts.

—**Cup and Saucer White.** Waxy white. Pkt. 10 cts.

—**Cup and Saucer Mixed.** All shades. Pkt. 10 cts.



"Cup and Saucer"
Canterbury Bells



Candytuft

CANDYTUFT • (Iberis)

Wonderfully effective for white massing, but long a favorite cut flower as well. Most blooms are sweetly fragrant. If broadcasted, some plants should be removed to allow for proper individual expansion.

Seed sown in autumn produces flowers in early spring; when sown in April, flowers July to September, some of the sorts till frost comes. Hardy annual, one foot.

Giant Hyacinth Flowered. The results of persistent painstaking selection from Empress; unquestionably the largest and best formed of the white varieties. Pkt. 10 cts. $\frac{1}{4}$ oz. 25 cts.

Little Prince. Flowers large, plant six inches high. Makes a fine border plant. Pkt. 5 cts., $\frac{1}{4}$ oz. 20 cts.

Empress or Snow Queen. A complete mass of large snow white flowers. Pkt. 5 cts., oz. 25 cts.

Crimson. A fine large flower. Pkt. 5 cts.

Lavender. True lavender, very fine. Pkt. 5 cts.

Rocket. Long spikes of white. Pkt. 5 cts., oz. 25 cts.

Fine Mixed. Pkt. 5 cts., oz. 25 cts.

Perennial. (*Iberis Sempervirens*) Hardy evergreen. white. Pkt. 10 cts.



Cannas

CANARY BIRD FLOWER

A rapid growing summer climber, with finely cut foliage and yellow flowers. Tender annual. Pkt. 5 cts.

CANNA

We are large producers of Cannas. Our collection embraces all the new and standard sorts, and is unsurpassed. The seed we offer is our own saving from these finest named varieties, and while each variety does not come true from seed, our mixture embraces every color. These beautiful ever-blooming Cannas bloom freely the first year from seed.

Soak the seed in hot water 12 to 24 hours before sowing. Sown in February or March will make flowering plants by July.

Dark Leaved Varieties, Mixed.

Green Leaved Varieties, Mixed.

Extra Choice Mixed. Dark and green.

All above: Pkt. 10 cts., oz. 25 cts.

For the Roots, see Plant Department of this Catalogue.



Carnation Marguerite

CARDINAL CLIMBER

A splendid climber that has created a sensation wherever grown. It reaches a height of 20 to 30 feet and is covered from midsummer till frost with clusters of vividly red, $1\frac{1}{2}$ inch flowers, shaped like the Morning Glory. Leaves are deeply lacinated and are in themselves very decorative. Pkt. 10 cts., 3 pkts. 25 cts.

CARNATION •

Carnations have ever been highly regarded for their spicy scent, bright colors and generally charming appearance. Useful in summer garden and winter greenhouse as well.

Start seed under glass and transplant when sufficiently large. Half-hardy perennial. $1\frac{1}{2}$ feet.

Extra Choice Double Mixed. A large portion of this seed will produce double flowers. Pkt. 25 cts.

Double Mixed. All shades and colors. Pkt. 15 cts.

Marguerite. With ordinary care this double, fluted, highly scented type will be in full bloom in four months after sowing the seed, flowering in profusion until checked by frost. Protection ordinarily ensures their permanency, and early spring bloom. The colors range through many shades.

Mixed. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.

**Celosia
Ostrich
Feather**



CELOSIA (Cockscomb)

Free and continuous blooming annuals of great value for injecting brilliancy of color into beds or borders. Content with light soil not too rich. Cut blooms may be dried for winter decoration. Conservatory pot plants. If started inside, transplant them in May, or sow in the open at that time.

CRISTATA

(Tall Cockscomb)

Crested flower heads like a cock's comb. These combs vary in size, as do the plants which support them. **Cristata Tall Mixed.** Various shades of color. Pkt. 10 cts.

CRISTATA NANA (Dwarf Cockscomb)

Glasgow Prize. Immense, compact combs of richest crimson often a foot in extent, crowning plants 8 to 10 inches high. Pkt. 10 cts.

Empress. Semi-dwarf growth; foliage bronze-red; heavy combs of blood red or deeper crimson. Pkt. 10 cts.

Dwarf Cockscomb Mixed. Various shades. Pkt. 10 cts.

PLUMOSA (Feathered Cockscomb)

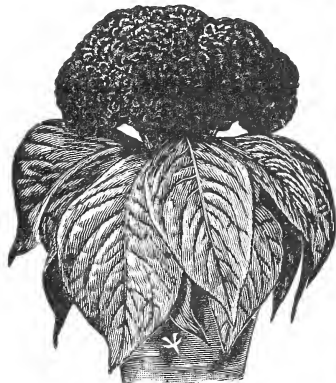
This "Ostrich Feather" type grows from 2 to 5 feet high, very showy with their large, dense, and continuing upright plumes. Very effective in garden sections; as fresh cut flowers, and dried, or potted.

Ostrich Feather Tall Mixed. Pkt. 5 cts.

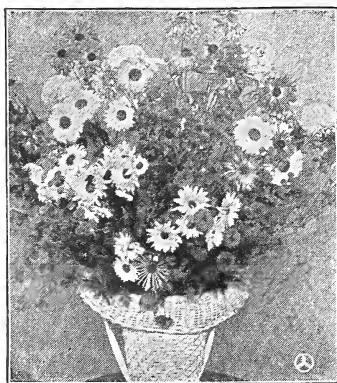
Ostrich Feather Dwarf Mixed. 1½ feet. Pkt. 5 cts.

Castle Gould. A distinct type, particularly well adapted to use as pot plants. The profusion of long-continued bloom is remarkable, the plants being literally clothed from base to summit, with immense feathery heads. 2 to 3 feet high. The colors embrace blood red, carmine yellow, golden orange, scarlet, wine red. **Mixed.** Pkt. 10 cts.

Chinese Wool Flower. This recent novelty is the most curious of all Celosias. Globular flowers, like balls of bright red wool, bloom in July and continue until cut down by frost; do not fade, but increase in size and brilliancy. Height 2 to 3 feet. Pkt. 10 cts.



Dwarf Cockscomb



Single Annual Mums

CENTAUREA

Gymnocarpa. A useful foliage plant known as "Dusty Miller." Grows to 1½ feet; deeply indented fernlike foliage so dusted with silver as to be almost white. A splendid edging for dark-leaved Cannas, etc. Half-hardy perennial. Pkt. 5 cts. 500 seeds, 20 cts.

Imperialis. **All Colors, Mixed.** (Giant Sweet Sultan.) Bushes are covered with large, fluffily ball-shaped, sweet-scented flowers. Will keep a week or over in water, if cut when just about to open. Hardy annual. 2 feet. Pkt. 5 cts.

CHRYSANTHEMUM

Annual Chrysanthemums are distinct from the autumn flowering, blooming all summer and making a gorgeous display in the garden, and for pot culture.

Annual Double White Snowball. Covered with clusters of double pure white flowers of a beautiful fringed appearance, all summer. Will last a week or two after being cut. Pkt. 5 cts.

Annual Double and Single Mixed. Beautiful double and single types together in a wide range of colors. The single kinds are prettily called "painted daisies," account of their shape and colorful patterns. Pkt. 5 cts.

CINERARIA

Hybrida Grandiflora. (Large flowered.) Choice house or conservatory plants for early spring decoration. Grow from 12 to 18 inches high, are completely covered with flowers, 2 and 3 inches across, of white, blue, violet, and crimson shades. Seed, may be sown from May to September for succession, requiring two to three pottings. Greenhouse perennial. **Mixed.** Pkt. 35 cts.

Maritima. (This is the edging about the Kochia illustrated on page 45). Another "Dusty Miller," denser than the Centaurea type; one of the showiest silver or white-leaved foliage plants for bedding, ribbon beds and margins. In rich soil they will reach 2 feet in height, but average shorter. Pkt. 10 cts., ¼ oz. 25 cts.

CLARKIA ELEGANS

This pretty, easily grown annual is a popular garden and cut-flower plant, showy in borders, hanging baskets or vases. They are not particular as to location, but thrive equally well in partial shade or sun. 2 to 2½ feet.

The bloom is double, abundant, in small leafy racemes, and opens well in water when cut.

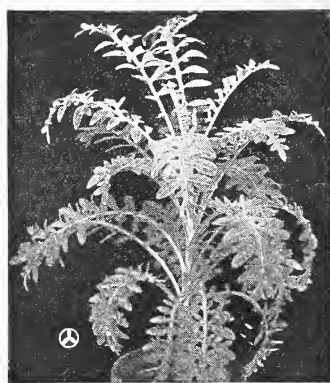
Alba, fl. pl. (Double white.) Pkt. 5 cts.

Apple Blossom, fl. pl. (Double Pink.) Pkt. 5 cts.

Salmon Queen, fl. pl. (Double Salmon.) Pkt. 5 cts.

Elegans Scarlet Queen. (Orange Scarlet.) Pkt. 5 cts.

Double Mixed. Pkt. 5 cts.



"Dusty Miller" (Centaurea)



COSMOS

These delightful, fall blooming plants are seldom lacking in our gardens. Their growth is much branched and bushy up to five or even six feet, the fine-cut, lacy foliage being decidedly ornamental from the very first. Special soil preparation is not necessary and the early flowering kinds may be sown where they are to stay; but the later types should be started inside, preferably potted to procure a confined root-ball, and transplanted to not less than 18 inches interval only after danger of frosts is over. It is well to pinch back the tops at about two feet, to induce more branches. The flowers are conspicuously large and well distributed, brightly colored, and very welcome for both garden show and bouquets at a time when bloom is scarce.

MAMMOTH EARLY FLOWERING

Flowers fully equal in size to the Giant Fancy class, blooming abundantly in August. Develops quicker, although not so tall. These are furnished in separate colors—**Crimson**, **Pink** or **White**, at 10 cts. per pkt., $\frac{1}{4}$ oz. 25 cts. **Mixed**, Pkt. 5 cts., $\frac{1}{4}$ oz. 20 cts.

NEW DOUBLE CRESTED COSMOS

These beautiful novelties are something entirely different from other Cosmos. The flowers are not fully double, but are double crested, having double centers and a row of petals around the base, which makes them very effective. Flowers are borne on strong stiff stems, fine for use as a cut flower. Very shy seeders.

Pink Beauty. Very delicate pink. Pkt. 15 cts., 2 pkts. for 25 cts.

White Queen. Pure white, outer petals fringed. Exceedingly pretty. Pkt. 15 cts., 2 pkts. for 25 cts.

Crested Mixed. The color shades not separated. Pkt. 10 cts.

GIANT FANCY COSMOS

Called "Giant" because their flowers were so much larger and more perfect than the old line of Cosmos, which they have since entirely replaced. On account of their late bloom, it is best to sow their seeds inside to get an early start; then by transplanting after the late spring frosts, Northern gardens may be rewarded for a considerable period before the first frosts of autumn. These are offered in distinct separate colors—**Pink**, **Crimson**, or **White**, as well as **Mixed**, at 10 cts. per pkt., $\frac{1}{4}$ oz. 25 cts.

Klondyke. A semi-double variety; golden yellow. Pkt. 10 cts.

New Striped. This is a distinct and charming new variety, having large white centers and petals deeply striped. Pkt. 10 cts.

COBEA SCANDENS

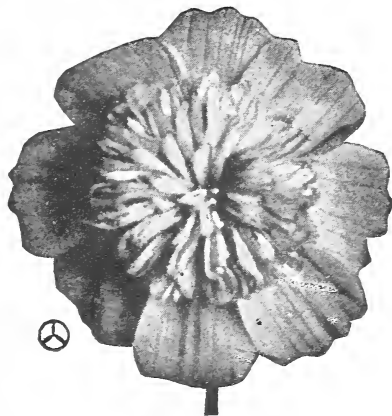
A fine rapid growing climber, with handsome foliage and large bell-shaped flowers; green at first but rapidly changing to purple. Seeds should be started in hot-bed or rather dry soil (as they are apt to rot in open ground); setting them edgewise and just barely covering. Tender perennial. 20 feet. Pkt. 10 cts.

COLEUS—Choicest New Hybrids

A beautiful class of popular decorative foliage plants with such diversity of pattern and rich coloring, their growing is a matter of absorbing interest and pleasure. For bedding or pot culture. **Mixed.** Pkt. 20 cts.

CYCLAMEN

Bulbous-rooted plants, with beautiful foliage and richly colored, fragrant flowers. Tender perennials.



Crested Cosmos

Persicum Giganteum. Six inches high; large pea-like solitary flowers in abundance. **Mixed.** Pkt. 25 cts.

CYPRESS VINE (Ipomea Quamoclit)

A tender annual, 15 foot climber, with delicate dark green feathery foliage and abundance of bright, star-shaped rose, scarlet or white blossoms. **Mixed.** Pkt. 5 cts.

Ivy-Leaved Scarlet. The deeply lobed, ivy-like leaves form a dense screen, with great racemes of fiery scarlet flowers. Pkt. 5 cts. "**Cardinal Climber.**" See page 39.

DAHLIA ●

Half hardy perennial; two to four feet.

Double Mixed. Finest double flowers, including the new, large flowered varieties. Pkt. 20 cts.

Single Giant Perfection. The flowers are large; many are marbled and striped. Mixed colors. Pkt. 10 cts.

ENGLISH DAISY (*Bellis Perennis*)

A favorite dwarf perennial, the six-inch plant providing a vast amount of short stemmed bloom through the spring and summer. Extensively used as edging plants, and usually carry over if winter mulched. Sow seed early in hot-bed or house and transplant to a rich, cool, partially shaded situation.

Monstrosa Red. Giant flowered red. Pkt. 10 cts.

Monstrosa White. Very large flowered. Pkt. 10 cts.

Maxima Double Mixed. Various shades. Pkt. 10 cts.

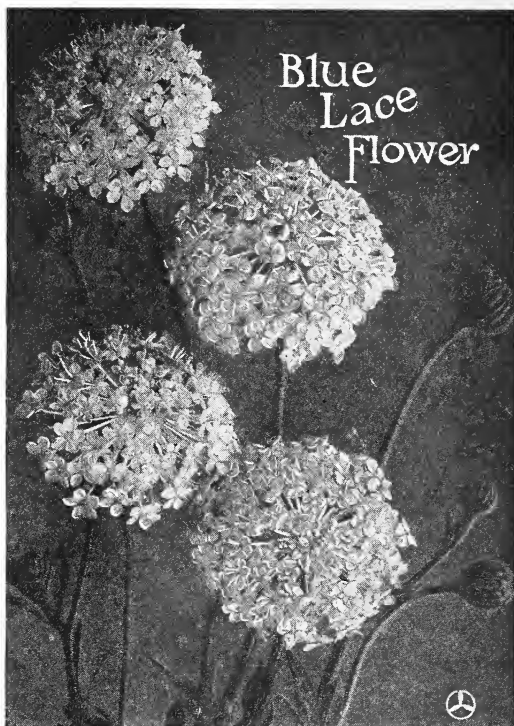


Shasta Daisy

SHASTA DAISY ●

(*Chrysanthemum*
Leucanthemum)

The pure white flowers with yellow centers are three to four inches in diameter, with petals mostly broad and flat. They bloom the entire season. Hardy perennial; 1½ to 2 feet. Pkt. 10 cts.

**DATURA** (*Angels Trumpet*)

Showy, large branching plants, growing two to three feet high, bearing trumpet-shaped flowers six inches in length. They make a fine subtropical effect in the garden if given light rich soil and a sheltered sunny location.

Excellent pot plants for the greenhouse. **Double Mixed.** Pkt. 10 cts.

DIDISCUS COERULEUS (*Blue Lace Flower*)

Originally from Australia; once a great garden favorite as "Queen Anne's Lace." After a generation or two of comparative oblivion, it has come back sensationally and acquired adoption as a favored cutflower. Seed sown outdoors after danger from frost, should ensure bloom continuously from July to October. The much-branched plants grow to about two feet, with subdivided foliage. The terminal flower umbels average close to three inches across, a lacy association of long thin tubes and flaring faces in the numerous florets. The entire flower is such an appealing shade of "heavenly" blue, and its construction so dainty, we cut it for solid vase fulls, we plant it as a mixer with coarser flowers, and we pot it for winter house-bloom. For winter cutting, it is being forced largely by commercial florists, and in private conservatories. Pkt. 15 cts., 2 pkts. 25 cts.

ESCHSCHOLTZIA or **CALIFORNIA POPPY**

California's State flower. Dwarf plants about 1 foot high, with spreading, silvery, fine cut foliage; furnishing a liberal quantity of poppy-like flowers from spring until late fall. In addition to the original yellow, the class is now enriched by various color shades. Produce beautiful effects either as border plants or in masses. Hardy annuals.

Alba. Clear satiny white. Pkt. 5 cts. **Crimson.** Very fine. Pkt. 5 cts.

Golden West. The flowers have large overlapping petals; shining yellow, with orange blotch. Pkt. 5 cts.

Mandarin. Inside orange, outside scarlet. Pkt. 5 cts.

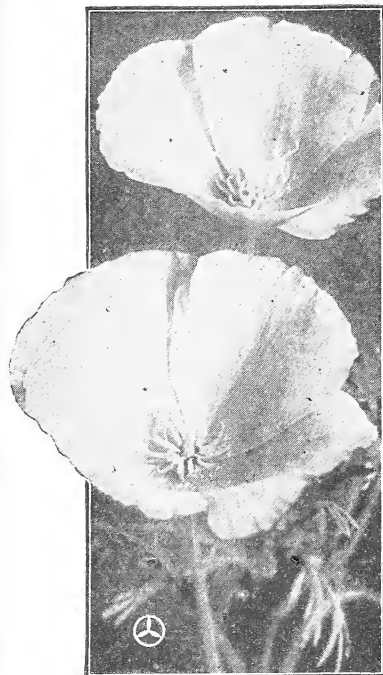
Mikado. Lustrous orange crimson. Pkt. 5 cts.

Rosy Morn. Delicate frilled flower, a dainty primrose yellow. Pkt. 5 cts.

Mixture of above varieties. Pkt. 5 cts.

Bush Eschscholtzia.

A fine bushy plant two feet high, with large cup-shaped yellow flowers, on long stems. Keep well in water. Pkt. 10 cts.



California Poppy

EUPHORBIA

Heterophylla. (Mexican Fire-plant) An annual resembling the Poinsettia in habit and color. Smooth glossy-green leaves which in mid-summer turn to a beautiful orange-scarlet. 2 to 3 feet. Pkt. 10 cts.

Variegata. (Snow-on-the-Mountain) An old garden favorite; foliage and flowers veined and margined white. 2 to 3 feet. Pkt. 10 cts.

FEVERFEW

Double White. A bushy plant, bearing a profusion of double white daisy-like flowers of great popularity for summer bouquets. Hardy annual. Pkt. 5 cts.

FOUR O'CLOCK (Marvel of Peru)

Blooms the first season from seed; the flowers, which are produced in clusters, open in the afternoon and wither the next morning. Generally planted in solid rows, to outline the garden plot or walks; its innumerable flowers and gorgeous diversity of colors furnishing a great deal of cheer at little expense. 2 ft. Our mixture contains a fine variety of colors. Pkt. 5 cts., oz. 20 cts., ¼ lb. 60 cts.

FORGET-ME-NOT (Myosotis)

Hardy perennial; ½ foot.

Palustris. Blue, with white and yellow eyes. Pkt. 10 cts.

Ruth Fisher. The largest and finest, ¾ to 1 inch across, lovely sky-blue. Pkt. 15 cts.

Victoria. Fine heads of large, clear, azure blue; plants bushy and compact. Pkt. 10 cts.

FOXGLOVE (Digitalis)

The mammoth spikes of splendidly colored flowers which are set densely along the greater extent of the stalk, make them very desirable for use in borders or as backgrounds for lower growing plants. Spikes grow to a height of three to five feet. Hardy biennials.

Finest Mixed Gloxinoides. Pkt. 10 cts.

GEUM

Mrs. Bradshaw. For use in bouquets and for red in hardy borders. They closely resemble dark crimson Carnations with broad, fluted petals, and a conspicuous tuft of golden stamens at center. Hardy perennial; 1½ ft. Pkt. 15 cts.



Godetia



Four O'Clocks

GAILLARDIA (Blanket Flowers)

Grandiflora. Hardy perennial, 2 ft., blooming first season. Flowers large and flat; yellow and orange, with center and rings of varying extent in shades of red and maroon. **Mixed.** Pkt. 10 cts. **Picta Mixed.** Annual. 1½ ft. Double and single flowers of many color shades. Pkt. 5 cts.

GODETIA

Their beautiful satiny, open flowers, covering a wide range of colors, produce a delightful effect in masses or borders. Produce good flowers in shaded places where so few flowers can be grown. Hardy annuals. 1 ft.

Finest Mixed. All colors. Pkt. 5 cts.

Grandiflora Cattleya. A choice new variety growing 12 to 15 inches high, with a pronounced satiny lustre; a rare shade of lilac blue closely corresponding to the Cattleya Orchids. Pkt. 10 cts.

GOURDS

A tribe of tender annual climbers with curiously shaped fruits, which may be used in many practical ways. 10 to 20 ft.

Large Mixed.

Small Mixed.

Apple Shaped.

Calabash. Pipe.

Chinese Sponge or Dish Rag.

Dipper. Egg.

ALL GOURDS.

Pkt. 5 cts. each.



Gaillardia

GYPSOPHILA © (Baby's Breath)

Delicate stems and foliage in rounded clumps, profusely sprinkled with tiny star-blooms. These misty panicles are exquisite "mixers" with other flowers, either in bouquets or in the garden.

Elegans. Annual. To provide continuance of bloom, should be sown several times. **Mixed** White and Pink. Pkt. 5 cts., oz. 25 cts.

Paniculata. Hardy perennial; 2 feet. Flowers white, with a general impression of being lavender, when in bud. Pkt. 5 cts.

HELICHRYSUM © (STRAWFLOWER or "EVERLASTING")

Hardy annual, 1½ ft. Flowers are round, flat but thick, very full of short, stiff, incurved petals surrounding a depressed center. Their chief value is for winter use in baskets and vases, dried. Cut with long stems when about a third opened, suspend bunch (heads down) in a cool, dry place until thoroughly dried. We offer the **MONSTROSUM fl. pl.** strain, which is the largest and most double, with the widest range of colors.

Fireball. **Rose Queen.** **Silverball.**
Goldenball. **Scarlet.** **Violet Queen.**

All above varieties, Pkt. 10 cts. each.

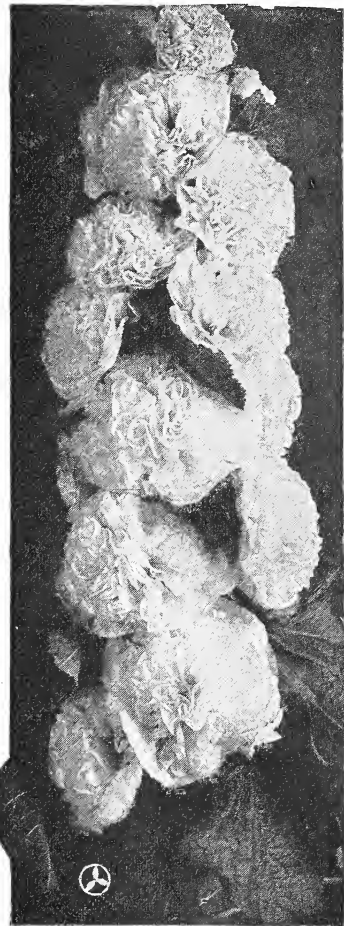
Monstrosum fl. pl. Mixed. All kinds together.

Pkt. 10 cts., ¼ oz. 25 cts.

Strawflower Set 1 Pkt. each of the 7 varieties for 50 cts.

HELIOTROPE

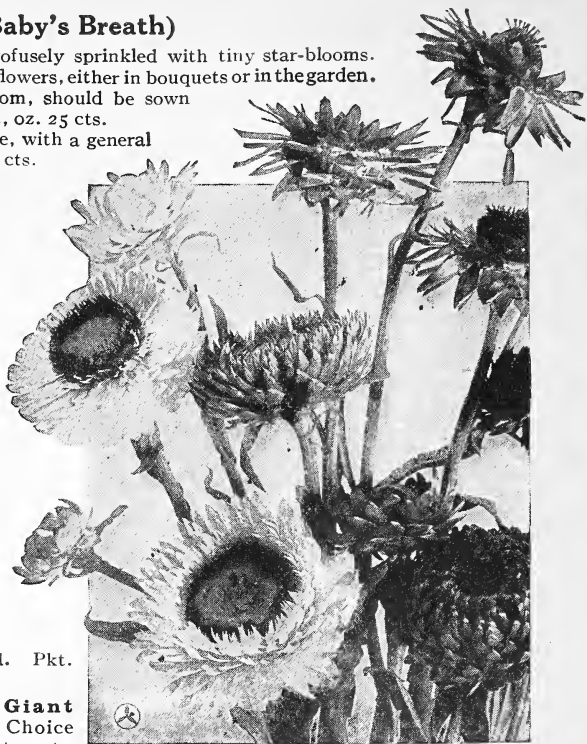
Valued for the fragrance of their flowers, and duration of bloom. Tender perennial, 1 ft. Easily grown, blooming first summer if sown early.



Double Hollyhocks

Fine Mixed. Pkt. 10 cts.

Lemoine's Giant Hybrid. Choice Mixed. Pkt. 10 cts.



Helichrysum

HIBISCUS (Marsh Mallow)

Hardy Perennial. Spreading growth up to five feet.

Crimson Eye. Six inch white bells with crimson center. Hardy, blooming first year from seed sown in open ground if sown early. Pkt. 5 cts.

Moscheutos. (Rose Mallow) Large pink flowers with dark maroon eye. Pkt. 5 cts.

HOLLYHOCK

Hardy perennial. 3 to 5 feet. Sow seed in June or July in open ground, transplant to three feet apart. **Single Mixed.**

Double White. **Double Maroon.** **Double Red.**
Double Pink. **Double Yellow.** **Double Mixed.**

Mammoth Fringed. **Choice Mixed.** (Allegheny) The flowers are from four to six inches across, single and semi-double, finely fringed and curled. Will bloom the first season if sown early.

All Hollyhocks,—Pkt. 10 cts. each.

VARIEGATED JAPANESE HOP

The leaves are marked with silvery white, yellow, and light and dark green, remaining until late in autumn; climbing 20 feet. Pkt. 10 cts.

HYACINTH BEAN (Dolichos)

A rapid growing annual climber, making about 10 feet. They bloom freely in large, upright racemes of pea-like flowers, either white or purple; followed by ornamental purple seed pods. Sow seed in April or May. **Mixed.** Pkt. 5 cts., ½ oz. 15 cts.

ICE PLANT

(Mesembryanthemum)

For baskets, rock work, vases. Appears covered with ice crystals. Tender trailer; six inches. Pkt. 5 cts.

IPOMEA

Tender annual climbers of rapid growth.

Heavenly Blue. Flowers four to five inches across, in large clusters. Color, a beautiful sky-blue. Pkt. 10 cts.

Setosa. (Brazilian Morning Glory) Dense shade; 3 to 4 inch rose colored flowers. Pkt. 10 cts.

Ipomea Grandiflora. (Moonflower) 25 to 30 feet. At night the plants are covered with large, pure white, fragrant flowers. Pkt. 10 cts., ½ oz. 30 cts.

JOB'S TEARS

Broad, glistening grass. The odd, tear-like seeds are often strung and used as beads. Hardy annual. Pkt. 5 cts., oz. 20 cts.

KOCHIA (Summer Cypress or Burning Bush)

An annual plant of ideal character for temporary summer hedges. Makes a feathery dense egg-shaped bush ranging from 2 to 4 feet according to soil. Foliage is so fine and close-set, the bush resembles a formally clipped evergreen, although soft enough to ripple. Pale, tender green throughout summer, the color turns towards fall to vivid red. Sow thinly in spring for an unbroken line, but for individual expression transplant to 18 or 24 inches apart. Pkt. 5 cts., ¼ oz. 25 cts.

LARKSPUR (Delphinium)

ANNUAL

The Annual Larkspur furnishes one of the best and most satisfactory blossoms in the whole range of annuals. Colors vary from white through blue, pink and red.

Giant Hyacinth Flowered. The plants grow three feet high with long spikes of giant flowers. Earliest flowering. Try these broadcasted with Shirley Poppies and Calliopsis—and enjoy results.

Mixed Colors. Pkt. 5 cts.



Edging is Cineraria Maritima

Double Dwarf Rocket. 1 ft. Finest mixed. Pkt. 5 cts.

Double Tall Stock-flowered "Exquisite." A charming new variety with long stems and spikes; dainty pink. Pkt. 10 cts.

Newport Scarlet. This scarlet variety is one of the choicest; an ideal flower for cutting. Pkt. 10 cts.

PERENNIAL

The Perennial Larkspurs or Delphiniums are among the most useful and prolific of all flowering plants for the garden, unsurpassed for furnishing the various shades of blue. All summer's bloom. Easily grown from seed.

Belladonna Hybrids. A magnificent sort unrivalled for continuance of bloom, with large spikes of the most delicate turquoise blue. Fine for cutting. Pkt. 15 cts.

Formosum. Dark blue with white eye; 3 feet. Pkt. 10 cts.

Choice Hybrids. Mixed shades of blue. Pkt. 10 cts.

LOBELIA

A most excellent and useful genus of plants, easy of culture and well adapted for bedding, edging, hanging baskets, pots or rockeries. Seed should be covered lightly.

Crystal Palace Compacta.

Fine for bedding, compact, erect growth, deep blue. Annual. Pkt. 10 cts.

Erinus Speciosa. Of trailing habit, bright blue flowers; fine for baskets. Annuals. Pkt. 10 cts.

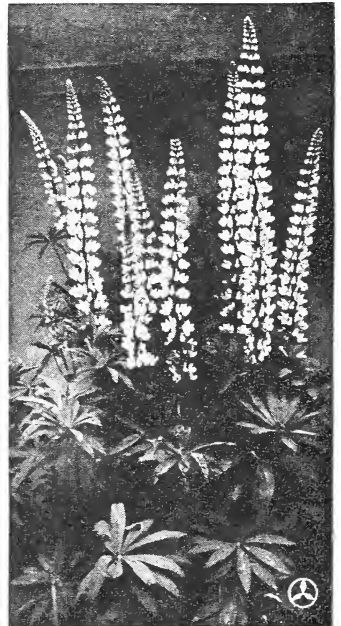
Mixed. Compact varieties. Annuals. Pkt. 5 cts.

LUPINE

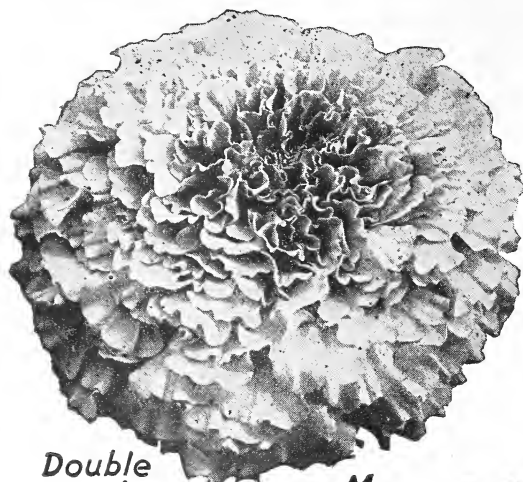
Annual Mixed. Easily grown annuals, about 2 feet. Produces an abundance of long, graceful spikes of pea-like flowers which are very showy and pretty in shades of blue, rose and white. Fine for beds or borders as well as for cutting. Does well in partial shade. Pkt. 5 cts.

LYCHNIS CHALCEDONICA

Bright scarlet flowers of maltese cross form, usually in medium size flat umbels, handsome for beds and borders. Of easy culture, growing in any rich garden soil, blooming the first year if sown early. Hardy perennials. 2 to 3 feet. Pkt. 5 cts.



Lupine



Double
African

MARIGOLD

Goliath. Immense spikes, on strong stiff stems; very fragrant, fine for cutting; bright red. Pkt. 5 cts., $\frac{1}{4}$ oz. 30 cts.

Machet. The plants are dwarf and vigorous, of pyramidal growth; with long spikes of reddish green flowers. Pkt. 5 cts., $\frac{1}{4}$ oz. 25 cts.

Large Flowering. Sweet Mignonette. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts.

MOMORDICA (Balsam Apple)

Balsamina. Annual climber, yellow blossoms, beautiful foliage. Fruit when ripe bursts open quickly, scattering seed, showing brilliant carmine interior. 10 feet. Pkt. 5 cts.

MORNING GLORIES (Convolvulus)

Of all annual vines, the Morning Glory is perhaps the best known and most practical. Its morning glory of bloom is unmatched for daintiness and refreshment, by any flower that heralds the dawn of day.

Japanese Giant. A class of climbers making a growth of 20 to 30 feet quite early in the season. Their large flowers are striped, spotted and margined in all shades from white to the deepest red, blue and purple. Many are fluted and fringed. Sow the seeds early in a warm, sunny place. Choice mixed. Pkt. 10 cts., oz. 30 cts.

Large Flowering Rochester. Vines strong, growing 12 to 20 feet high, with magnificent foliage. Flowers 4 to 5 inches across, deep violet blue in the throat, graduating out to an azure blue, bordered with a white band around the edge. Pkt. 10 cts., oz. 30 cts.

Convolvulus Major. The old fashioned Morning Glories. Splendid climbing plants. Of rapid growth and profuse bloom. Pkt. 5 cts., oz. 20 cts.

Snow Fairy.

The foliage is more refined than some types with usual growth of 12 to 18 feet. The deep and numerous convolutions of its flowers create a pronounced double appearance, while the deeply feathered margins and glistening whiteness achieve an indescribable laciness and charm. The bloom is profuse, and continuous from the earliest season until cut down by frost. Pkt. 10 cts.

NICOTIANA (Sweet Scented Tobacco Plants)

As summer garden plants, their long, broad leaves are quite as attractive as the fragrant star-shaped bloom.

Affinis. Pure white, sweet-scented, flowers. Pkt. 10 cts.

Hybrida Mixed. Has large star-shaped flowers in many colors. If plants are taken up in fall, cut back, potted, they will bloom in the house during the winter. 2 to 3 ft. Mixed colors. Pkt. 10 cts.



Japanese Giant Morning Glories



"Snow Fairy"

NASTURTIIUMS*

There is a distinct, peppery and altogether pleasing scent to Nasturtium flowers; the foliage is so pretty in its roundness and fresh, clean green; the coloring is so vividly bright and cheery, there is small wonder that the various types of this family are so extensively planted. They do not require anything unusual in the way of fertilization or attention, grow rapidly and bloom within a few weeks after sowing.

TALL or CLIMBING VARIETIES

The vines grow quickly to 6 to 10 feet, making very showy mantles to conceal rough spots in the yard, or unsightly railings. They are beautiful as trellis vines, and take a prominent part in the furnishing of porch boxes and urns.

Chameleon. Blossoms of various colors and changing on the same plant. Pkt. 5 cts., oz. 15 cts.

Jupiter. Great rich yellow flowers resembling Orchids in their beauty. Pkt. 5 cts., oz. 15 cts.

King Theodore. Rich, deep crimson; dark foliage. Pkt. 5 cts., oz. 15 cts.

Pearl. White. Pkt. 5 cts., oz. 15 cts.

Rose. Rose-pink blossoms. Pkt. 5 cts., oz. 15 cts.

Schultzei. Scarlet flowers, dark leaves. Pkt. 5 cts., oz. 15 cts.

Vesuvius. Salmon rose, dark foliage. Pkt. 5 cts., oz. 15 cts.

Tall Mixed. This is one of the most complete mixtures of Climbing Nasturtiums on the market; it includes, besides the various colors in this class, the popular strains of *Mad. Gunther Hybrids*, *Lobbs* and *Chameleon*. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

DWARF VARIETIES

Very useful for bedding, massing or ribboning. A few Dwarf Nasturtiums in the yard are very

brilliant and attractive. Flowers are brighter if soil is not over rich. Give each plant a foot of room; hardy annual; one foot.

Chameleon. Blotched and various changing shades on one plant. Pkt. 5 cts., oz. 15 cts.

Empress of India. Brilliant crimson; dark tinted foliage. Pkt. 5 cts., oz. 15 cts.

Golden King. Bright yellow. Pkt. 5 cts., oz. 15 cts.

King Theodore. Dark maroon. Pkt. 5 cts., oz. 15 cts.

King of Tom Thumbs. Intense scarlet. Pkt. 5 cts., oz. 15 cts.

Pearl. White. Pkt. 5 cts., oz. 15 cts.

Rose. Rose-pink blossoms. Pkt. 5 cts., oz. 15 cts.

Dwarf Variegated Leaved. The foliage is a healthy dark green, peculiarly spotted with white. Flowers in a mixture of colors. Pkt. 5 cts., oz. 15 cts.

Dwarf Mixed. This splendid mixture contains all the named varieties and every color. No finer mixture can be made. They will produce enormous flowers on long stems, in a wonderful variety of colors. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

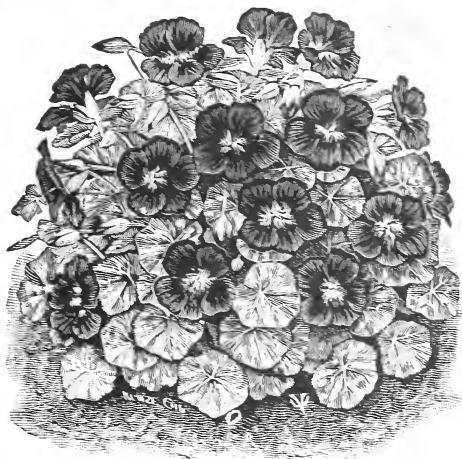
LOBB'S CLIMBING NASTURTIIUMS

This is a choice selection of superior strains among the tall or climbing Nasturtiums, expressing the best in foliage and growth; with flowers a little more profuse, and running strong to the rich red shades. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts.

NIGELLA*

("Love-in-a-Mist" or "Devil-in-the-Bush")

Damascena. Compact plants a foot high, with fine cut foliage within which is set a profusion of pretty, curious shaped flowers and seed pods. **Mixed** blue and white. Pkt. 5 cts.



Dwarf Nasturtiums



"Love-in-a-Mist"

Superb Giant



S. & H. CO. PANSIES®

Pansy seed sown in August will provide strong plants for early spring bloom. The latter part of April is best for spring sowing, under normal conditions, producing flowers by the last of June and continuously until fall. A well enriched, finely worked soil is best. If drilled in, seed should be covered not over four times its own depth.

If thinly covered (paper will do), to preserve moisture, germination should occur within 8 to 12 days. When the plants are sufficiently developed, transfer to desired location allowing about 9 inches for interval. Pansies will survive and bloom in waste spaces beneath the shading foliage of trees; but like most other flowers, attain fullest perfection in sunlight and natural ventilation. Many people start them in hot-beds or in boxes in the house, about two weeks before the probable earliest planting time. Naturally, the choicest quality seeds produce the best flowers, and we heartily recommend our own strains.

SUPERB GIANT PANSIES

The Superb Giant strain of Pansy seed represents the culmination of many years' rigorous selection, with the object in view of getting a type of flower at once the largest and most impressive, together with the most striking faces and richest colorings. It has been for years the very best strain available, and is largely planted by discriminating Pansy growers.

Adonis. Light blue, with white center. Pkt. 10 cts.

Andromeda. Lavender and pink. Orchid flowered. Pkt. 20 cts.

Beaconsfield. Deep purple violet, shading to lavender and white. Pkt. 10 cts.

Black. Jet black. Pkt. 10 cts.

Mad. Perrett. Edge of petal is frilled. The colors are dark wine, pink and red, beautifully veined, and all with a white margin. Extra large flowers. Pkt. 15 cts.

Masterpiece. Distinct in form of flowers, the border of each petal being conspicuously curled or waved, giving the flower a double or globular appearance. Choice mixed colors. Pkt. 20 cts.

Peacock (or Pheasant's Eye.) The upper petals resemble in shade the peacock feather, while the lateral and lower petals are of a deep claret, with white margin. Pkt. 10 cts.

Purple. Giant, long stemmed flowers of a rich dark purple color. Pkt. 10 cts.

President McKinley. The ground color is a deep golden yellow, while each petal has a large blotch of rich dark violet, leaving a clearly defined broad edging of "pure gold." Pkt. 15 cts.

Ruby. Superb red. Pkt. 15 cts.

Striped. Beautifully striped and blotched, of various colors. Pkt. 10 cts.

White. Extra large, pure white flower. Pkt. 10 cts.

Yellow. Large, pure yellow. Pkt. 10 cts.

SUPERB GIANT MIXED PANSIES

Probably the most important and most extensively used of all Pansy mixtures. It is a painstaking distribution of the numerous named varieties of its class, together with Odier, Cassiers, Bugnot and Trimardeau selections. Pkt. 10 cts., 3 pkts. 25 cts., ¼ oz. \$1.75.

TRIMARDEAU MIXED PANSIES

A particularly robust, hardy strain with richly colored flowers in the giant class, which rarely fails to give perfect satisfaction. Many growers claim better results and greater popularity for this type than obtainable from any other. Pkt. 10 cts., ¼ oz. \$1.00.

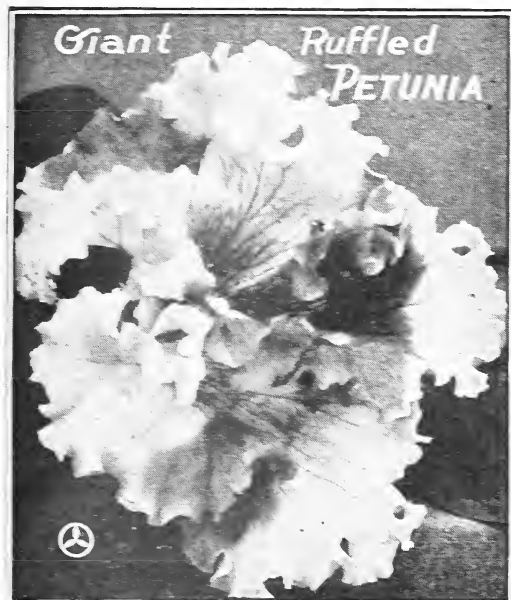
EXCELSIOR MIXED PANSIES

One of the older types of selected large flowered Pansies. It lacks many of the unique markings characteristic of newer forms, but still retains its own particular qualifications which make it especially adapted for bedding purposes. Pkt. 5 cts., six pkts. for 25 cts., ¼ oz. 70 cts.



Trimardeau

If too late to sow seed, buy plants offered in Plant Section



Single Bedding Petunias

PETUNIAS

"BALCONY" PETUNIAS

A valuable section remarkable for their great freedom, with flowers pinches across. Particularly adapted to use in vases, hanging baskets or window boxes.

Balcony Blue. Rich, velvety indigo blue.

Balcony Crimson. Of startling clearness.

Balcony Rose. Brilliant attractive rose-pink.

Balcony White. Conspicuous. Pure, waxy white.

Balcony Mixture. Not comparable to ordinary mixtures; the extreme size, clear colors and distinctive form emphasizing their superiority; each packet furnishing a multi-colored little garden in itself.

PRICE. All "Balcony" Petunias 20 cts. per pkt.

SINGLE BEDDING PETUNIAS

Howard's Star. Clear purple with distinct white star filling throat, extending to edge of petals. Pkt. 20 cts.

Rosy Morn. Compact, bushy growth, fifteen inches high, same in diameter, covered throughout entire season with open-throated flowers 2½ inches in diameter. Distinct and glowing, although a soft tone of rose-pink, with silvery white throat. Pkt. 20 cts.

Triumph. A splendid new single variety belonging with the large flowering section, but aligned with the bedders because of its uniform growth and general superiority as a mass bedder. It is beautifully ruffled, and very conspicuous in its clear, bright pink color. Pkts. 20 cts.

Single Pure White. A thrifty variety where a pure white is desired for beds and borders. Grow to 20 to 25 inches high, very free blooming. Pkt. 20 cts., ½ oz. 35 cts.

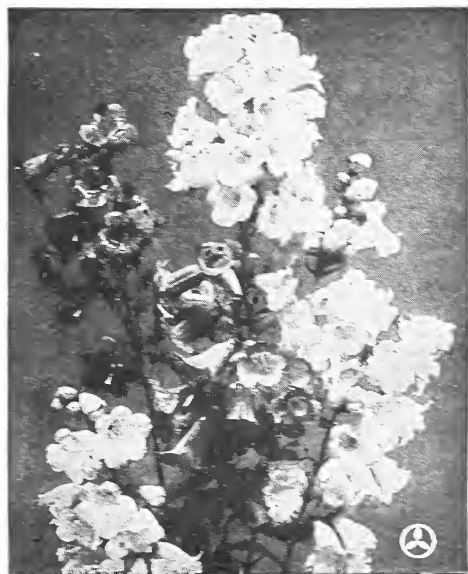
Finest Striped and Blotched. Mixed. Pkt. 20 cts., ½ oz. 35 cts.

Single Fine Mixed. Pkt. 5 cts.

PENTSTEMON

New Large Flowering. The numerous Gloxinia-shaped flowers are borne in long spikes from May until frost. Will bloom the first season if sown early in a hot-bed and planted out as soon as frosts are over.

The colors are white, pink, rose and crimson, many being spotted and margined with a contrasting color. Hardy perennial. **Choice Mixed.** Pkt. 10 cts.



Large Flowering Pentstemon

DOUBLE GIANT FLOWERING PETUNIAS

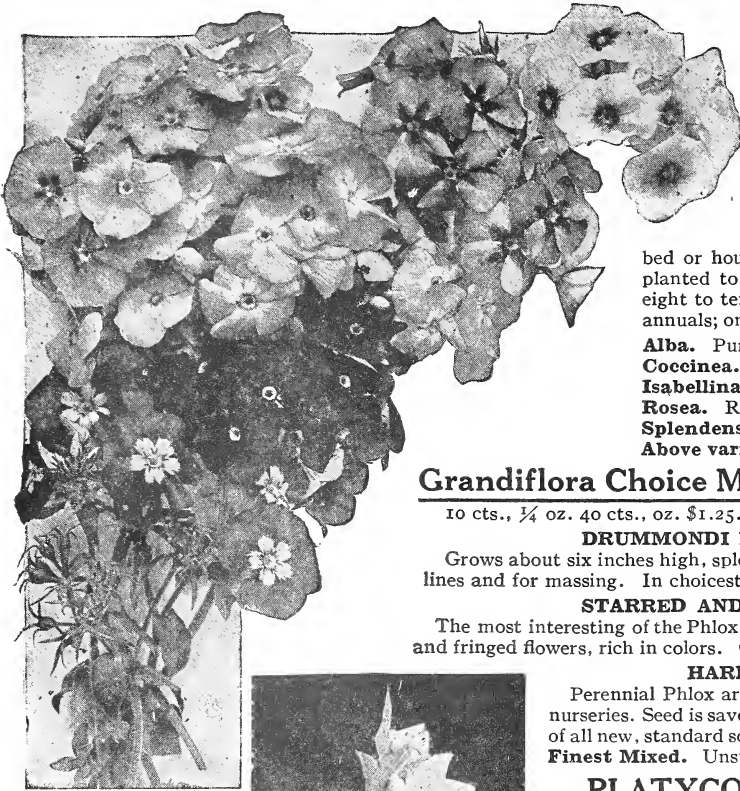
While a fair per cent of Double Petunia seed will produce double flowers, some will not. The single ones, however, will be richly colored and finely marked. We consider this one of the finest mixtures of Double Petunias; composed of the best and largest flowered strains grown. **Choice Mixed.** Pkt. 35 cts.

SINGLE LARGE FLOWERING PETUNIAS

Fringed. (Fimbriata) A strain of beautifully fringed flowers. Colors rich and brilliant. Pkt. 20 cts.

Giant Ruffled. The flowers of this strain are ruffled and fringed, colors rich and gorgeous, with deep throats of various shades. Fine mixed. Pkt. 25 cts.

Giant of California. Choice mixed seed saved from show flowers. Very large. Pkt. 20 cts.



Phlox Drummondii
Grandiflora

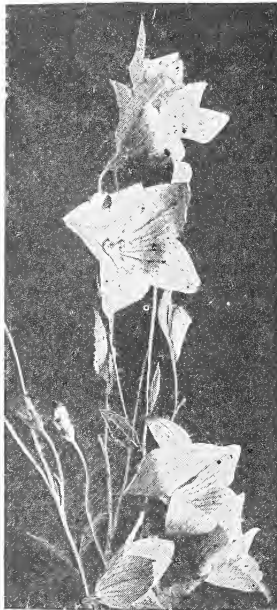
PINKS®

(Dianthus)

Few other plants produce more flowers or cover a longer blooming period. Height averages 1 foot, making them available for edgings. They are actually biennials, and will survive the winter if it is not too severe.

PERENNIAL VARIETIES

Plumarius, fl. pl.
Hardy perennial sweet scented garden Pinks. Double mixed. Pkt. 15 cts.



Platycodon

ANNUAL PINKS

Snow Queen. (Double White Japan.) One of the prettiest of white cut flowers. Pkt. 5 cts.
Heddewigii Flore Pleno Fireball. (Double Scarlet Japan.) Pink. Flowers brilliant scarlet. Pkt. 5 cts.
Heddewigii Flore Pleno. (Double Japan Pink.) Flowers large and double; many of them finely fringed; choice mixed. Pkt. 5 cts.
Chinensis fl. pl. (Double China Pink.) The colors are rich, and you hardly find two alike. Pkt. 5 cts.
Double Choice Mixed. Mixture of all the above double annual varieties. Pkt. 5 cts., ¼ oz. 25 cts.
Single Choice Mixed. All single annual varieties. Pkt. 5 cts., ¼ oz. 25 cts.

PHLOX®

DRUMMONDI GRANDIFLORA

For a splendid mass of colors and constant display, this type is not excelled by any other annual. Blooms early, continuing until severe freezing. The seed may be planted in the open ground May 1st or in hot-

bed or house earlier, and afterwards transplanted to where wanted into rich ground, eight to ten inches apart each way. Hardy annuals; one foot.

Alba. Pure white; very large.

Coccinea. Rich, brilliant scarlet.

Isabellina. Pale primrose yellow.

Rosea. Rose colored; large white eye.

Splendens. Crimson with white eye.

Above varieties.—Each, Pkt. 10 cts.

Grandiflora Choice Mixed.

A choice mixture of all colors in the type. Pkt.

10 cts., ¼ oz. 40 cts., oz. \$1.25.

DRUMMONDI NANA (Dwarf)

Grows about six inches high, splendid for pot culture or for ribbon lines and for massing. In choicest Mixture. Pkt. 10 cts.

STARRED AND FRINGED

The most interesting of the Phlox family, bearing pretty star-shaped and fringed flowers, rich in colors. **Choice Mixed.** Pkt. 10 cts.

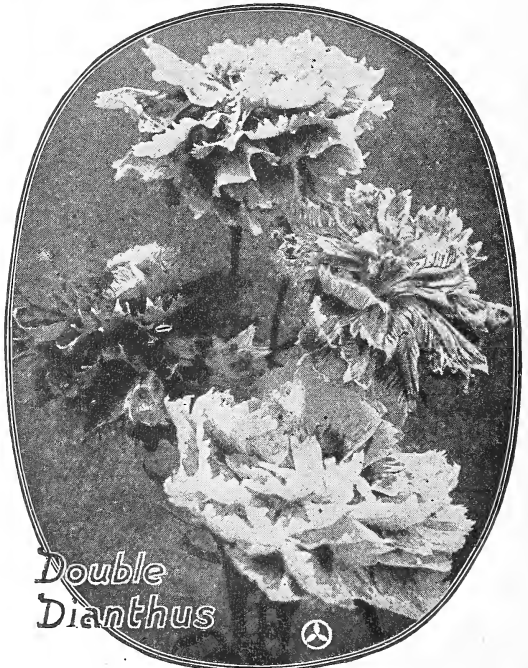
HARDY PERENNIAL

Perennial Phlox are among the show features of our nurseries. Seed is saved from this magnificent collection of all new, standard sorts of every color and description. **Finest Mixed.** Unsurpassed in quality. Pkt. 15 cts.

PLATYCODON (Balloon Flower)

The unopened buds resemble miniature balloons opening up as deep throated, 1½ to 2 inch bells. Hardy perennial, 2 to 3 feet. Seed sown in early spring will bloom in August.

Mixed Colors. (Blue, White.) Pkt. 10 cts.



Double
Dianthus

PERENNIAL PEA

Lathyrus Latifolius

Known and sold as Everlasting Sweet Pea. Quite hardy and not particular as to soil. Splendid for covering rocks, stumps and walls. White, Pink, Red, or Mixed. Pkt. 10 cts. each.

POPPIES (Papaver)

Poppies are among the most interesting of the garden flowers. There is something so romantic about their vivid, startling colors; their graceful flower shapes; their fern-like foliage; and a certain undefined sentiment connected with their whole history. All annual Poppies should be sown as early in spring as possible, in the location where they are to remain, as they do not transplant successfully. Seed should be just barely covered, although firmly pressed down. Thin out to 3 or 4 inches between plants; and take time to remove old flower stems.

ANNUAL

American Flag.

Flowers extra large, double, snow-white, each petal bordered with scarlet. Pkt. 5 cts.

Tulip Poppy. The 3 inch flower resembles a Scarlet Gesneriana Tulip in color, with deep black spots at the base of each petal. 2 feet. Pkt. 5 cts.

Carnation Flowered. Brilliant, large, showy, double flowers of various colors, the many petals finely fringed. Mixed. Pkt. 5 cts.



Tulip and Peony Flowered Poppies



Oriental Poppy



Shirley Poppies

Peony Flowered. Globular flowers of good size, resembling fully double Peonies. Mixed. Pkt. 5 cts.

Mixed Single Annual Poppies. Pkt. 5 cts.

Mixed Double Annual Poppies. Pkt. 5 cts.

Shirley Poppies. This type is perhaps the most beautiful of all; one sowing keeping the bed alight all summer. Although they are mostly single, many come semi-double, or with fluted margins. The colors range from white, thru various shades of pink, to scarlet and deepest crimson. Mixed. Pkt. 5 cts., 1/2 ct. 25 cts.

PERENNIAL POPPIES—Large Flowered

The large flowered kinds average six inches across, and are imposing in spring, with their fiery

bloom, on nodding stems three to four feet high. They do not bloom the first year from seed.

Bracteatum. Crimson, black spots in center. Pkt. 10 cts.

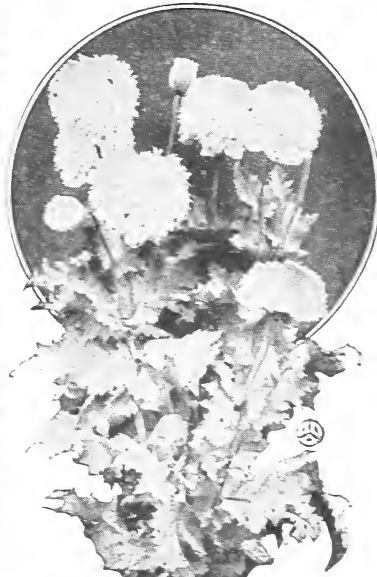
Orientele. Oriental Poppy. Orange scarlet. Pkt. 10 cts.

Large Flowered Mixed. Pkt. 10 cts.

Small Flowered

Iceland.

(Papaver nudicaule.) Single, cup-shaped flowers two to three inches in diameter with ruffled petals, yellow, orange and white. Sown early in spring will bloom in June and continue until cold weather if not allowed to bear seed. Mixed colors. Pkt. 10 cts.



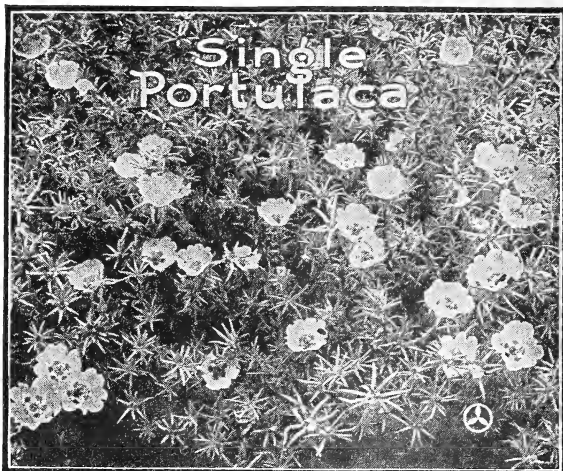
Double Carnation Flowered

PORTULACA ("Moss Rose")

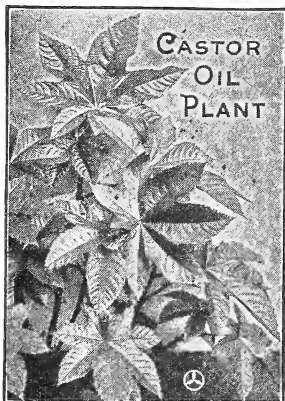
Trailing plants which love the sun, and nestle close to the warm, sandy loam of their choice. The numerous round, flat flowers set close, and brilliantly illumine the emerald of the foliage with vivid shades of red, yellow, pink and white. Half-hardy annual.

Double Mixed.
Pkt. 10 cts., $\frac{1}{4}$ oz.
35 cts.

Single Mixed.
Pkt. 5 cts., $\frac{1}{4}$ oz.
25 cts.



Double Portulaca



sprinkled with gold dust. Bloom from August to October. Produced on long stems making an ideal cut-flower. Very easily grown. Half-hardy annual; 2 feet. **Emperor.** Choice mixed. Pkt. 5 cts.

PRIMROSE (Primula)

Obconica Grandiflora Hybrida. Fine for pot culture, also for the open border during summer. If sown early in spring the seedlings will commence to bloom in May or June and continue throughout the year. **Mixed colors.** Pkt. 20 cts.

Chinese Fringed. One of the finest plants for winter and spring blooming in the house or conservatory; they do well in a cool room, in a north window where most other plants fail. Greenhouse perennials. **Mixed Colors.** Pkt. 25 cts.

PYRETHRUM ROSEUM HYBRIDUM

Showy, hardy perennials, blooming the first season if sown early. In color white, rose, crimson and scarlet. The foliage is fine. 2 feet.

Double Mixed. Pkt. 25 cts. **Single Mixed.** Pkt. 10 cts.

RICINUS (Castor Oil Plant)

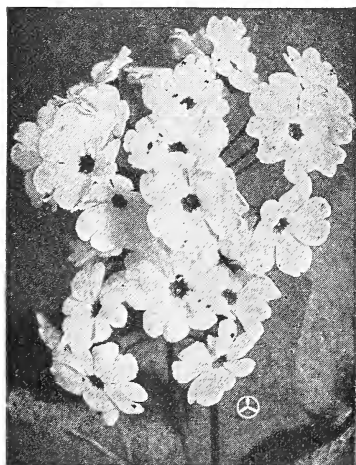
This tender annual plant has enormous leaves beautifully lobed. Planted singly it makes a perfect pyramid, thickly set with its broad palmate leaves; a large group of them gives a fine tropical effect. Sow in hot-bed and transplant when three leaves have formed, or sow in ground where they are to grow.

Sanguineus. Tall, with reddish stalks. Large ornamental reddish purple leaves. Pkt. 10 cts., oz. 25 cts.

Zanzibarensis, Mixed. Robust strong grower, foliage green and red. Pkt. 10 cts., oz. 25 cts.

SALPIGLOSSIS

The colors are marbled and penciled purple, scarlet, crimson, yellow, buff, blue and almost black. Many of the flowers have the appearance of being sprinkled with gold dust. Bloom from August to October. Produced on long stems making an ideal cut-flower. Very easily grown. Half-hardy annual; 2 feet. **Emperor.** Choice mixed. Pkt. 5 cts.



Primrose Obconica



Double Pyrethrum



Salpiglossis

SALVIA

(Scarlet Sage)

This very popular plant is a tender perennial, but should be treated as an annual. Its beautiful flaming spikes of blossoms will add more to a border than any other plant, and where a brilliant scarlet is wanted it is unsurpassed.

America. Because of its uniform growth coupled with profuse and continuous bloom, this comparatively new variety is particularly valuable for extensive bedding or formal lines. Pkt. 20 cts.

Clara Bedman. Bonfire.) It grows about two feet high and as many broad, and very compact. Its long spikes of fiery scarlet flowers stand up stiff and erect well above the foliage. Pkt. 10 cts.

King of the Carpets. A very dwarf free flowering type; splendid for beds and borders. If planted close, bed will look like a bright red carpet. Pkt. 20 cts.

Splendens. One of the most gorgeous of annuals, blooming redly throughout the summer and fall. The plants grow from one and one-half to three feet in height, inclined to branch freely towards the top, are completely covered with showy sprays of bright scar-

let flowers, until cut down by frosts. Pkt. 20 cts., 1/4 oz. 30 cts.

Zurich. A dwarf variety, but with long full spikes of rich scarlet flowers. It is free blooming, commencing early and continuing with unabated brilliancy until late in the season. Pkt. 15 cts.

SCABIOSA (Mourning Bride or Sweet Scabiosa)

Handsome summer border plant, producing its splendid flowers in greatest profusion from July until severe autumn frosts. Flowers are of compact, rounded shape, long stems, making them ideal cut-flowers which keep in water a week. The colors are both strong and dainty, equally enjoyable and effective in bouquets or the garden. Hardy annual; 2 to 2 1/2 feet.

Double. All colors mixed. Pkt. 5 cts.

SCHIZANTHUS (Butterfly Flower)

These annuals produce a wealth of beautiful flowers, very dainty and of many colors; spotted, blotched and veined in orange, purple, etc. They bloom in a few weeks from seed so abundantly as to obscure the plant; their airiness and color-charm giving them value as a bordering fringe for the heavier types.

Hybridus Grandiflora. Choice mixed. Pkt. 5 cts.

Wisetonensis. One of the finest large-flowered sorts, colors ranging from pink with brown center to white yellow center. Excellent for pot plants. Pkt. 15 cts.



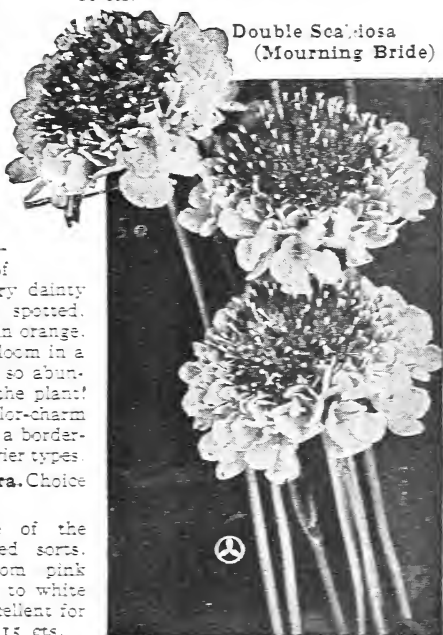
Salvia Zurich

SMILAX

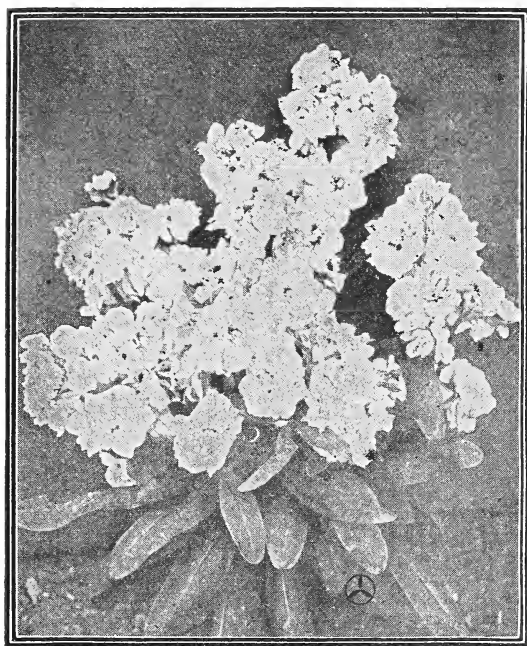
(Myrsiphyllum Asparagoides)

A graceful tuberous rooted, tender perennial climber, none surpassing it for its glossy deep-green, most delicate foliage and small white flowers; fine for vases and baskets. Soak the seed 24 hours before sowing; 6 to 10 feet. Pkt. 10 cts.

Double Scabiosa (Mourning Bride)



Schizanthus Wisetonensis



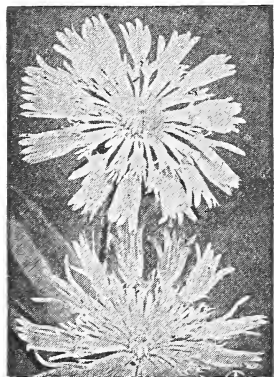
Dwarf Giant Perfection Stocks

STOCKS (Gilly Flowers)

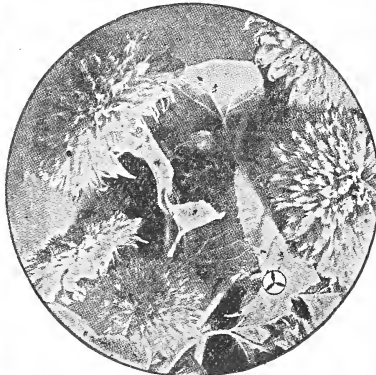
The Gilly flower is a half-hardy annual, very useful for bedding on account of its very full and persistent bloom. The flowers come in close-set, thick panicles not only on the main stems but in many side branches. There is some variation as to height, but they will average close to 2 feet. The numerous distinct colors are quite flashy and are particularly acceptable in August and September when flowers are scarce. Sow in hot-beds or boxes during March and April, transplanting to boxes or pots; when weather becomes suitable, transplant to open ground, about one foot apart for early flowers. Sow in open ground in May. Plants may be lifted in fall and potted up for winter blooming indoors.

DOUBLE GIANT PERFECTION TEN WEEKS

The "Ten Weeks" Stocks bloom in a wide range of color, about 10 weeks after being sown; grow about 18 inches high, and in light, rich soil bear an immense quantity of bloom, each plant forming a perfect bouquet of delightful fragrance.



Stokesia Cyanea Alba



Sunflowers—Double Chrys. fl.



and "Cut-and-Come-Again"

This type is a perfected strain producing extremely large double flowers. Offered in separate colors. **Blue, Rose, Scarlet, White or Yellow.** Pkt. 10 cts. each. **Double Giant Perfection Choice Mixed.** All colors. Pkt. 10 cts.

Dwarf Double Ten Weeks. Equally large flowers, but growing only 12 to 15 inches high. **Mixed colors.** Pkt. 10 cts.

CUT-AND-COME-AGAIN TEN WEEKS

This is an "everblooming" strain developed from the Large Flowering Double Ten Weeks class, which commences to bloom in July from seed sown in March or April, continuing in great profusion until cut down by frosts. Although earlier to start, their most perfect state is reached in Sept.-Oct.

Brilliant. Blood red. Pkt. 10 cts.

Deep Rose. A very rich shade. Pkt. 10 cts.

May Queen. Extra early; delicate lilac. Pkt. 10 cts.

Princess Alice. Very large; pure white. Pkt. 10 cts.

BROMPTON WINTER STOCKS

If seed is sown in February or March, out-doors bloom may be had all of the late summer; popularized principally for winter greenhouse pot plants and for winter cutting. Large, perfect double flowers and sweet fragrance. For winter bloom, sow seed from July to September. **Mixed colors.** Pkt. 10 cts.

STOKESIA (Stokes Aster)

A splendid perennial for garden culture, in beds or borders. Blooms first year from seed.

Cyanea. Showy deep lavender blue, aster-like flowers, clustered heads from June till late in fall. Pkt. 10 cts.

Alba. A new sort, identical with Cyanea, except it is a pure white. Pkt. 10 cts.

SUNFLOWER © (Helianthus)

"Cut-and-Come-Again." (The Ever-Blooming Type.) The single flowers, 3 to 4 inches across, are borne on long stems admirably adapted for vases. Choice colors in mixture. Pkt. 10 cts.

Double Chrysanthemum Flowered. Grows about six feet high and blooms profusely. The perfectly double flowers are bright yellow, of different sizes, from 3 to 6 inches in diameter. Pkt. 5 cts., oz. 25 cts.

Large Russian. A very tall growing double variety; 10 to 15 feet. The seed is used for poultry. Oz. 10 cts., ¼ lb. 15 cts., lb. 40 cts. By express 10 lbs. or more at 15 cts. per lb.

Purpureus. (New Red Sunflower.) The flowers come in various shades of red, and red margined with yellow, ranging from two to five inches in diameter. Plants grow from three to four feet high, branch freely and are covered with blooms. Makes an excellent plant for screens or hedges and provides a valuable cut-flower. Pkt. 10 cts.

SWEET PEAS®

CULTURE. Locate your planting where there will be uninterrupted sunlight, in as good soil as possible, thoroughly mixed with well rotted cow manure. Seed should be sown before the first of April if weather will permit, about six inches down in the trench, and covered with an inch of firmly pressed soil. Thinning out to 2 to 4 inches apart is the better policy, and a little soil may be drawn in to give greater depth to the roots. Vining support in the form of brush, chicken wire or taut strings should be early supplied, preferably at the time of sowing. Water during dry weather, and pick often to ensure continuance. The earliest spring bloom may be had by sowing seed in August.

"EARLY FLOWERING" SPENCER SWEET PEAS

Fully as large flowered as the later Spencers, coming into bloom from two to three weeks earlier and flowering throughout a long season.

Early Asta Ohn. Large lavender, usually borne in fours, finely waved and frilled.

Early Blue Bird. The large flowers are a delightful shade of light blue, practically self-colored.

Early Daintiness. Pure white edged rose; a great bunch favorite on account of its daintiness.

Early Fire King. Fire red, very emphatic, intensified with cerise under glass. In most respects a winter blooming fiery cross.

Early Glitters. All-over deep orange, the standards fired with a sheen of red that actually glitters.

Early Hercules. Bright rose-pink on white ground.

Early Lavender King. Rich, true, deep lavender throughout; a strong solid color. Large size, long stem, distinct and pretty waviness.

Early Mauve Beauty. Extremely large, pronouncedly waved, extra free. A strong and very pleasing shade of rosy mauve.

Early Meadow Lark. Large waved flowers in a dainty shade of cream.

Early Mrs. A. A. Skach. Bright shell pink, shaded by its frills; of good size, usually borne in fours.

Early Pink Beauty. Prevailing soft rose pink accentuated at margins and revealing the white under surface at center of both wings and standards.

Early Primrose Beauty. Primrose yellow flushed with rose; a delightful combination.

Early Snowstorm. Best winter flowering white; account of its being of largest size, invariably in fours, with standard boldly waved.

Early Splendour. A magnificent deep rose self. The white at base of wing and standard, emphasizes the depth of its color.

Early Yarrowa. A deeply frilled beauty of varying charms; the standards graduating from rose to clear pink; the wings a dainty blush with buff tinting.

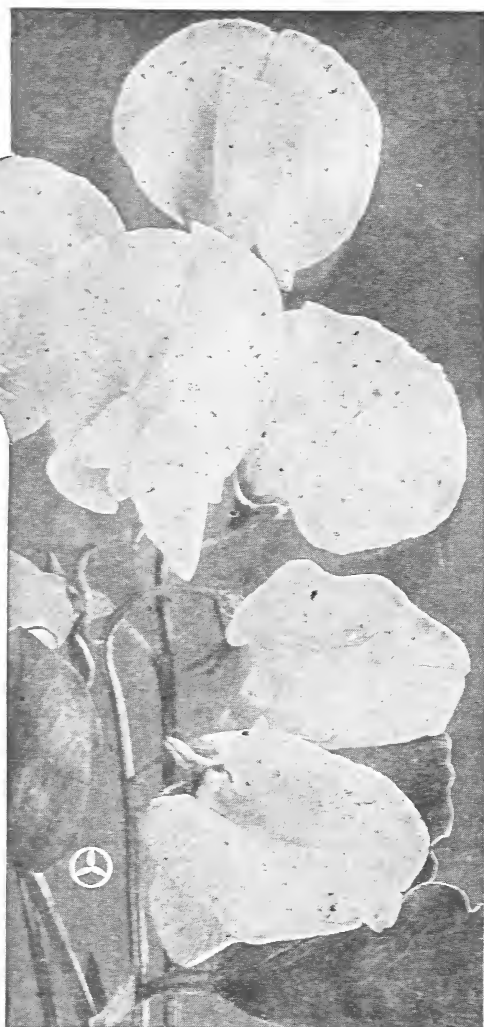
Early Zvolanek's Blue. Very large, brightest blue—similar to shade of "Blue Jay."

Early Zvolanek's Rose. One of the very best deep pinks.

ALL NAMED VARIETIES ABOVE—Pkt. 15 cts.,
½ oz. 45 cts., oz. 50 cts.

"EARLY SUNRISE" MIXTURE

This is a wonderful blend of the named varieties of Early Flowering Spencers, displaying a wide range of colors and shades. We heartily recommend it. Pkt. 10 cts., ½ oz. 30 cts., oz. 50 cts.



S. & H. SWEET PEA COVER COLLECTION

We are offering a particularly fine collection of eight choice new varieties of Sweet Peas, from the summer flowering or late section of the Spencer type. These varieties are correctly illustrated in color on inside page of the back cover, and are well worth your inspection and investment. The individual flower sprays in the picture are numbered, the identification of varieties being as follows:

1. Austin Frederick—Lavender.
2. Pink Pearl—Pearl pink.
3. King White—Pure white.
4. Royal Scot—Cerise.
5. Red Ensign—Crimson.
6. Mrs. Tom Jones—Blue.
7. The President—Orange scarlet.
5. Mrs. Arnold Hitchcock—Cream pink.

1 Pkt. of each for 65 cts.

1 oz. 35 cts. 5 oz. 17 oz. of each for \$2.25.

Post Paid.

SUMMER FLOWERING SPENCER SWEET PEAS



The "Spencer" type of Sweet Peas, by its greatly increased size, its distinctive frills and waviness, and its general improvement in color depths and pat-

terns, has practically usurped the field against the best preceding strains.

*We invite your attention to the third page of our cover which illustrates in true colors eight of the choice and distinct new varieties in this class.

Alexander Malcolm. Glowing scarlet cerise.

Apple Blossom Spencer. Apple Blossom color, in the splendid wavy petals of the Spencer type.

Asta Ohn. A giant frilled lavender. The long erect stems usually carry four flowers.

***(1) Austin Frederick.** Flowers of immense size well placed on long, stiff stems, usually in fours. A pleasing lavender shade, slightly darker at center.

Barbara. Rich orange-salmon. This color makes a thrilling bunch effect.

Blanche Ferry Spencer. Immense wavy flowers of pink and white.

Blue Jacket. Natty navy blue.

Constance Hinton. A robust, black seeded variety of easy germination, producing in fours and fives, pure white flowers of truly remarkable size.

Countess Spencer. The original of the Spencers. Standard finely waved, clear pink wings.

Dainty Spencer. A most beautiful pink-edged variety; the ground color is pure white, with a very distinct margin of rose-pink.

Dobbie's Cream. This is the best Cream Spencer.

Fiery Cross. The standard is fiery red or crimson, the fluted wings a rich cherry orange.

Florence Morse. A favorite dark pink Spencer.

Florence Nightingale. A magnificent lavender. Standard and wings large and well waved.

Hawmark Pink. The wings are bright rose pink, the standards a bit lighter, further toned with salmon, gaining a richer shading by its waviness. Normally in fours.

Helen Pierce Spencer. Gloxinia-like coloring; white; veined, mottled and marbled with bright blue.

Hercules. A magnificent deep rose pink, distinguished by its abnormal standards,—frequently $2\frac{1}{2}$ inches across,—and unusually pronounced frills.

King Edward VII Spencer. The grand carmine, scarlet flowered Spencer. Flowers are deeply frilled.

King Manoel. Chocolate maroon. This color lends quite an air of richness to any assorted bunch.

* **(3) King White.** Stems long, uniformly in fours, the white is pure and opaque; immense petals of finest frilled type.

Margaret Atlee. A rich glowy pink on cream grounds, softly suffused with salmon.

Masterpiece. Lavender, one of the finest, in fours.

* **(8) Mrs. Arnold Hitchcock.** Very large, shapely flowers invariably in fours. Soft pink shaded salmon, on a cream ground, a dainty mottled effect.

* **(6) Mrs. Tom Jones.** Bright blue.

* **(2) Pink Pearl.** An exquisite effect of soft pearl, gently flushed pink throughout; a profuse bloomer.

* **(5) Red Ensign.** Arrangement bold and precise, in fours. Color a scarlet-red of startling clarity, at once noticeable; of exhibition class, and undeniable garden value.

* **(4) Royal Scot.** Large flowered, long stemmed, bearing fours; brilliant, very showy cerise.

* **(7) The President.** Brilliant orange scarlet, of largest size and usually carried in fours.

Vermillion Brilliant. A bold brilliant scarlet.

Warrior. Rich reddish bronze maroon.

Wedgewood. A lovely, unique shade of Wedgewood blue, in much demand. A profuse bloomer.

White Spencer. Large fluted and crinkly standard.

Price of any of the above, Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00.

SPENCER MIXT SWEET PEAS

All varieties and colors in a delightful mixture conceded to be the best result-getter of any Sweet Pea mixture on the market. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.25.

ECKFORD'S SWEET PEAS GRANDIFLORA STRAIN

This strain, while not waved and crimped as Spencers, are indeed fine. Many blossoms are as large as the finest Spencers. The mixture comprises all shades and colors in well balanced proportions.

Eckford's Grandiflora Mixed. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

S. & H. CO. "COLOR RIOT" Wild Garden Mixture

Many of our customers desire to have a wild garden with all kinds of flowers in it. And others have only a small plot and don't know what to plant. For these customers we have prepared a mixture of all desirable annuals, for effect the first year. For those that desire a permanent "Wild Garden," our "Color Riot" Perennial Mixture is recommended. Either mixture is just what the name implies—a veritable riot of color.

"Color Riot" Annual Mixture. Contains a mixture of hundreds of free flowering annuals that will give amazing effect the first year. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

"Color Riot" Perennial Mixture. A splendid mixture of permanent flowers, all free flowering and very desirable. Pkt. 10 cts., oz. 35 cts.



Sweet William

© ANNUAL SWEET WILLIAM

Choice Mixed. Almost identical with the perennial varieties in form of flower, rich and dainty coloring and fragrance, but unlike the perennials which do not bloom until the following year, these are annuals, blooming the same year the seed is sown. Pkt. 5 cts.

© HARDY SWEET WILLIAM (*Dianthus Barbatus*)

Popular garden flower, easily grown from seed, producing a wonderful array of vivid colors in fancy patterns. Flowers are shaped and clustered much like Phlox, with equally vivid coloring; the markings, however, being more sharply defined. Perfectly hardy.

Pink Beauty. Very dainty salmon-pink. Pkt. 15 cts.

Scarlet Beauty. Vivid, one-shade scarlet. Pkt. 15 cts.

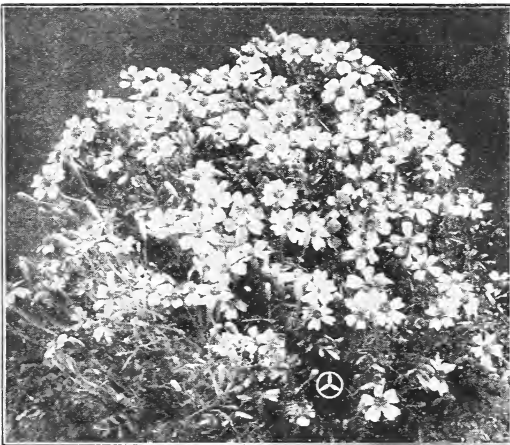
Dark Crimson. Pkt. 15 cts.

Double White. Pkt. 5 cts.

Mixed Single. Distinct colors. Pkt. 5 cts.

Mixed Double. Compact; all colors. Pkt. 10 cts.

TAGETES (Pot Marigold)

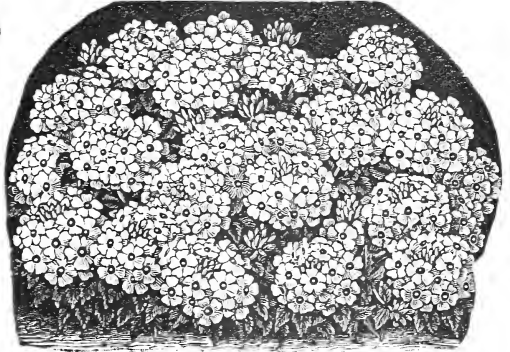


Signata Pumila. A showy, dwarf, compact, little Marigold, fine for borders and edging beds. Rarely grows 12 inches high and has delicate fern-like foliage. Covered all summer with a wealth of golden-yellow flowers. Pkt. 5 cts.

THUNBERGIA

Beautiful, rapid growing rather shrubby climbers, with a plentiful supply of trumpet shaped flowers in various colors and markings; fine for vases, rustic work or greenhouse culture. Half-hardy annuals; five feet. Fine mixed. Pkt. 5 cts.

VERBENA—Mammoth Flowered



In good soil, the Verbena, as an annual creeper, produces abundant foliage and is literally covered with large umbels of brilliant blossoms. For early blooms sow in boxes and transplant into rich soil fifteen inches apart. May be sown in April in the open and thinned. This choice strain has large flowers of very brilliant colors.

Pink. Pkt. 10 cts.

Firefly. Pkt. 10 cts.

Scarlet. Pkt. 10 cts.

White. Pkt. 10 cts.

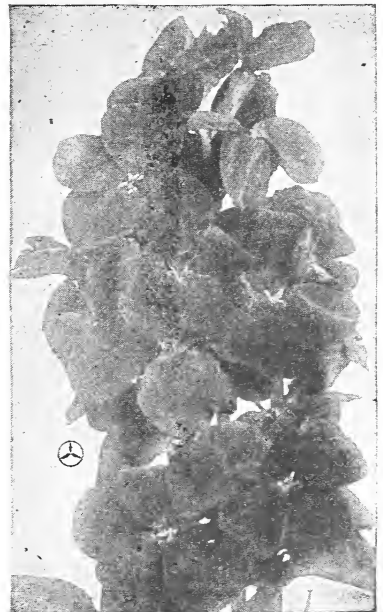
Blue and Purple Shades. Pkt. 10 cts.

Mixed. All shades, Pkt. 10 cts., ¼ oz. 25 cts.

Lucifer. A new variety of very decided and distinct shade, an even, deep, vivid cardinal red. The flower umbels are very large and compact. Pkt. 20 cts.

WALL FLOWER

Deliciously fragrant flowers in long, full spikes which are very free and pretty during the spring. They combine many shades of color; the orange, purple and chocolate predominating. Tender perennial, requiring winter protection in the north. 1½ feet.



Annual Mixed. Blooms first year. Pkt. 10 cts.

Double Mixed. Pkt. 10 cts. **Single Mixed.** Pkt. 10 cts.

ZINNIAS

Few flowers are so easily grown from seed sown in the open ground or bloom so abundantly and continuously as this hardy annual. Marvelous improvements have been wrought in the newer strains. We recommend them

for groups, beds, borders and summer hedges, where they will bloom quite freely, but are incomparably bright during the month of August. Sow seed in the open ground early in spring or start them in hot-bed or warm window and transplant when the ground is suitably warmed. Height $1\frac{1}{2}$ to 2 feet.

NEW DOUBLE Dahlia Flowered ZINNIA

This mammoth sized, unusual shaped and color perfected type has revolutionized the appearance of our annual gardens during the past two years. They very closely resemble the double decorative type Dahlias in form and in their robust growth. Plants get up to 3 feet in height, with perfect flowers often 6 inches wide by 3 and 4 inches in depth. These range widely as to color, even introducing depths and tones heretofore unknown to Zinnias. **Dahlia Flowered Mixed.** Pkt. 15 cts., 3 pkts. 40 cts., $\frac{1}{4}$ oz. \$1.00.



Dahlia Flowered Zinnia

NEW GIANT ZINNIA

Picotee. This novelty is the most attractive thing in all the race of Zinnias. The flowers are of a Giant type, each petal distinctly tipped with a darker shade as in Picotee Carnations. They come in a variety of colors, including orange, flesh, lemon, pink and cerise, each with the peculiar marking on tips of petals. This is an odd yet wonderfully beautiful Zinnia. We offer in mixture only, cannot supply separate colors. **Picotee Mixed.** Pkt. 20 cts.

GIANT DOUBLE FLOWERED ZINNIAS

These are not to be confused with the common or small flowered strains, as they are a distinct race of truly giant flowered Zinnias.

Giant Flowered Crimson. A rich shade. Pkt. 10 cts.
Giant Flowered Orange. Pure orange. Pkt. 10 cts.
Giant Flowered Pink. Clear light pink. Pkt. 10 cts.
Giant Flowered Purple. Deep. Pkt. 10 cts.
Giant Flowered Scarlet. A flaming red. Pkt. 10 cts.
Giant Flowered White. Pure snow white. Pkt. 10 cts.
Giant Flowered Mixed. A splendid mixture of all of the above and others. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1.00.

ZEBRA ZINNIAS

Flowers of all colors, many of which are striped and spotted with different shades. **Mixed colors.** Pkt. 10 cts.

DOUBLE POMPON ZINNIAS

Flowers small and of good shape; double and of beautiful form; fine for bouquets. **Fine Mixed colors.** Pkt. 10 cts.

CURLED and CRESTED ZINNIAS

The flowers of this fine class of Zinnias are large, full and double, the petals being twisted, rendering them free from stiffness. A variety of splendid colors. **Mixed.** Pkt. 10 cts.



Zebra and Giant Scarlet Zinnia

PLANT DEPARTMENT



THIS DEPARTMENT embraces the output of 45 large greenhouses, numerous up-to-date propagating frames and more than 25 acres of land. It embraces a great assortment of Summer Bedding Plants, Flowering House Plants, Decorative Plants, Vining Plants for boxes and baskets, Summer Flowering Bulbs, Tender Roses, Aquatic Plants and a splendid collection of Hardy Perennial Plants. In a few things—such as Flowering Begonias, Fuchsias, Ferns and Palms—we have probably the largest and most complete stocks in the country. In all other kinds and varieties, our supply is commensurate with our trade requirements as

THE LEADING DEPARTMENTAL NURSERY OF AMERICA

PRICES. All prices listed under this department are priced for delivery by mail, postage prepaid—unless otherwise specified. Express shipments are not prepaid.

Shipment by Mail. To reduce weight and volume, all pot plants are shipped without pots, and with most of the dirt knocked off. Various kinds of plants cannot be safely mailed, and are specially excepted following their descriptions. Mail service is generally prompt and satisfactory for any distance if weight is not too great to allow sufficient packing for preservation of the stock.

Shipment by Express. The heavier plants are selected; nearly all the soil is retained, adequate packing material used and substantial cases or containers are furnished free—on deliveries by express. In many cases a special and lower price is quoted for express orders.

No Plants by Freight. The slowness and uncertainty of freight service make its use very impracticable and unsafe for all tender plants and perennials. If such stock is ordered shipped in this way, customer must assume entire risk of loss or damage.

We Guarantee Safe Arrival. Shipments of stock listed under Plant Department, by mail or express, are guaranteed to reach destination in good condition. We should be advised if delivery is not made within a reasonable time after notification is mailed from this office. Examine stock carefully upon arrival, and report promptly any items damaged or in poor condition, both to us and to the delivering Express company. After safe delivery in good condition we do not assume responsibility for future growth or failure.

EQUIPMENT. In addition to our greenhouse equipment, we have an ample complement of first class, up-to-date propagating and storage frames and commodious assembling, packing and storage rooms. On account of government embargo, all nurseries are temporarily without any supply of imported stock, such as Azaleas, Boxwoods, Bay Trees, etc.

CIRCULAR BED PLANTING TABLE

We receive so many inquiries as to number of plants required for beds of various sizes, the following table is offered to furnish such information. If plants are to be 6 inches apart, commence outside row 3 inches from edge of circle; if 12 inches apart, then 6 inches from edge, etc. It is important to make the outer rows compact, although the inner rows may be more openly spaced. The table below is for circular beds, but a square will require about the same number of plants. An oval bed may be compared to a diameter found by adding length to breadth and dividing by 2.

| Diameter of bed. | Plants 6 in. apart. | Plants 12 in. apart. | Plants 18 in. apart. | Plants 24 in. apart. | Plants 30 in. apart. |
|------------------|---------------------|----------------------|----------------------|----------------------|----------------------|
| 3 feet | 28 | 7 | | | |
| 4 " | 48 | 12 | 6 | | |
| 5 " | 80 | 20 | 8 | | |
| 6 " | 112 | 28 | 13 | 7 | |
| 7 " | 152 | 38 | 17 | 9 | |
| 8 " | 200 | 50 | 23 | 12 | |
| 9 " | 256 | 64 | 28 | 16 | |
| 10 " | 320 | 80 | 36 | 20 | 13 |
| 11 " | 380 | 95 | 42 | 24 | 16 |
| 12 " | 452 | 113 | 50 | 28 | 18 |
| 13 " | 528 | 132 | 59 | 33 | 22 |
| 14 " | 612 | 153 | 68 | 39 | 25 |
| 15 " | 704 | 176 | 78 | 44 | 28 |
| 16 " | 804 | 201 | 89 | 50 | 32 |
| 17 " | 904 | 226 | 100 | 57 | 36 |
| 18 " | 1016 | 254 | 113 | 63 | 40 |
| 19 " | 1132 | 283 | 126 | 71 | 46 |
| 20 " | 1256 | 314 | 139 | 78 | 50 |

Formula for computing number of plants in each row of a circular bed: Radius (in inches $\times 6 \frac{1}{2} \div$ Interval = plants. Each interior row requires 6 plants less than the next larger circle. Compute and plant outer row first.

MAIL ORDER BARGAIN COLLECTIONS

OF PLANTS AT HALF PRICE—OUR SELECTION OF VARIETIES

These Bargain Collections are given prominence at the commencement of Plants, merely as a convenience to readers who are seeking such; and should not be considered as cheapening the dignity of valuable and distinctive products offered regularly on succeeding pages.

IN GETTING an order together and preparing it for shipment, there is a lot of work connected with the process which is just as expensive to us on a single plant as it would be for a dozen or many more. Hence, on orders for tens, dozens, or hundreds of a kind, we can afford to price at a much lower rate than for one or two merely of a kind. The following collections enjoy the price benefit of being assembled in large numbers at one time.

FOR 85c

We will send any one of the following plant collections, **post-paid**, thus giving about double the money's worth in every collection. Plants and bulbs used in filling these collections are not the cheapest varieties by any means. Many times we have a surplus of novelties and especially good varieties and these collections enable us to give our customers the benefit of our over-production.

Please Notice Conditions.

(1) Choice of varieties must be left to us, the purchaser simply mentioning the numbers of collections wanted.

(2) The prices of all collections are **NET**, except that we will send five collections for \$3.75.

- Set No. 1. 10 Everblooming Roses, in 10 varieties.
- Set No. 2. 5 Everblooming Roses and 5 Hardy Climbing
- Set No. 3. 5 Baby Rambler Roses, 5 varieties. [Roses.
- Set No. 4. 5 Wichuriana Roses and 5 Hardy Climbing
- Set No. 5. 10 Grand Geraniums, double and single. [Roses
- Set No. 6. 10 Geraniums, all classes assorted.
- Set No. 7. 10 Carnations, leading varieties.
- Set No. 8. 7 Beautiful Fuchsias, 7 varieties.
- Set No. 9. 8 Flowering Begonias, distinct sorts.
- Set No. 10. 7 Large flowered Cannas.
- Set No. 11. 10 Fine Chrysanthemums.
- Set No. 12. 10 Bedding or Basket Plants, 10 varieties.
- Set No. 13. 1 Caladium Esculentum, 4 Cannas and 12 Gladiolus.
- Set No. 14. 30 Gladiolus, choice mixed, all blooming bulbs.
- Set No. 15. 3 Violets, 4 Geraniums, 3 Carnations.
- Set No. 16. 5 Roses and 5 Geraniums, all different.
- Set No. 17. 5 Carnations and 5 Roses, all different.
- Set No. 18. 4 Chrysanthemums, 3 Carnations and 3 Roses.
- Set No. 19. 7 Choice Hardy Herbaceous Plants, 7 varieties.
- Set No. 20. 5 Assorted Hardy Herbaceous Plants, and 5 Chrysanthemums.
- Set No. 21. 4 Small Palms, choice varieties.
- Set No. 22. 4 Dahlias, 4 varieties.
- Set No. 23. 6 Hardy Ornamental Shrubs, 6 varieties.
- Set No. 24. 6 Hardy Climbing Vines, 6 varieties.
- Set No. 25. 6 Ferns in variety.

ABELIA

Chinensis Grandiflora. Graceful half-hardy shrubs with shiny foliage and masses of small bell-like white flowers throughout the season. Near, or south of the Ohio river, milder winters than ours, this becomes a dense, shapely bush up to four feet in height, its dark foliage and continuous bloom making it a splendid type for permanent planting against the porch or house foundation. One year field grown plants, 50 cts. each; \$5.00 per dozen. Small pot plants, 25 cts. each; \$2.50 per dozen.

ABUTILON (Flowering Maple)

Popular as pot plants, and for summer bedding, vases and baskets. The flowers are deep bell-shaped, in various colors, solitary, well distributed over the plants, borne in profusion throughout the entire season.

Daydawn. Flowers bright daybreak pink.

Golden Bell. Tall growing, profuse in golden bloom. (We admit the illustration is somewhat exaggerated.)

Savitzi. A Japanese variety that is deservedly popular as a decorating plant, its sharply variegated green and white foliage making it one of the most attractive and showy of all the pot plants. 25 cts. each, \$2.50 per dozen.

Snowstorm. Flowers pure white.

Souvenir de Bonn. Deep green maple-shaped leaves, irregularly bordered with creamy white. Very free flowering, with bright orange flowers, veined crimson. 25 cts. each, \$2.50 per dozen.

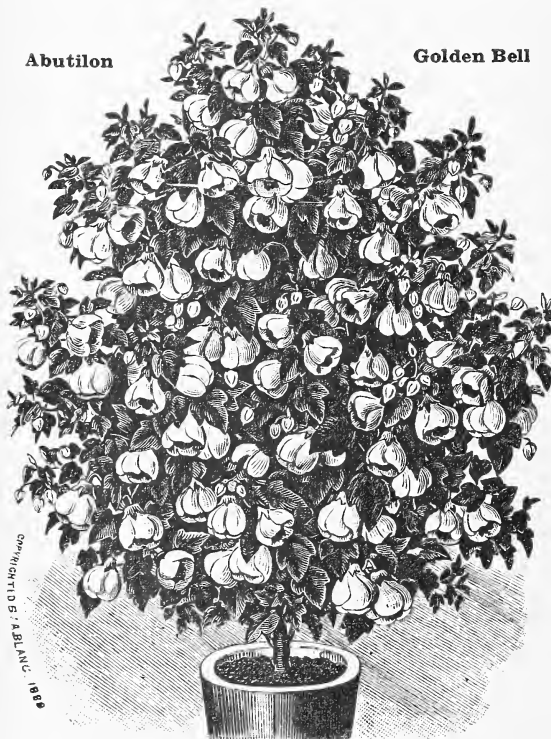
Splendens. A beautiful deep red variety, dwarf growing, with foliage a pleasing shade of green.

Thompsoni. Flowers salmon-pink, foliage blotched with yellow. 25 cts. each; \$2.50 per dozen.

Unless noted, 20 cts. each; \$2.00 per dozen.

Abutilon

Golden Bell



**Acalypha Sanderi****ACALYPHA**

One of the popular types of bedding plants, combining various attractive leaf-formations with subdued but none the less effective, coloring.

Bicolor Compacta. Large ovate leaves of deep green, bordered and heavily barred yellow.

Godseffiana. Ovate, finely serrated leaves of bright green, quite evenly bordered and occasionally blotched with creamy white. 30 cts. each.

Marginata. Very large, waxy leaves of olive brown, with a saw-tooth edge of old rose.

Sanderi. (Chenille Plant.) Foliage deep glossy green; the flowers being fuzzy, bright red, rope-like pendants, often 18 to 20 inches long, drooping from the axil of each leaf. They make showy specimen pot plants, and are very cheerful summer bedders.

Triumphans. Crisp, pointed, ovate leaves of light red, fantastically marbled in darker shades.

Unless noted, 25 cts. each; \$2.50 per dozen.

ACHYRANTHUS

Thrive in any soil; are not easily killed by frost. They make intensely bright beds, and show off splendidly in borders to taller growing plants.

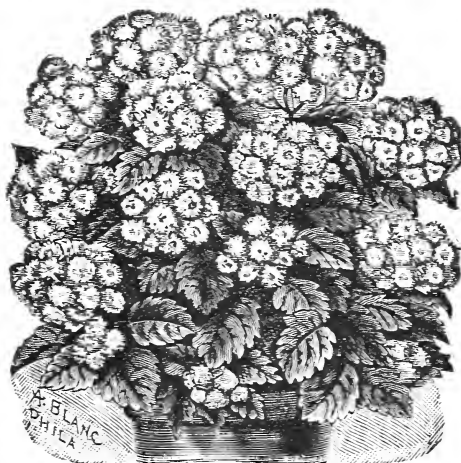
Herbsti. Transparent leaves of rosy carmine, intensely brilliant. A new form which has superseded Brilliantissima on account of the greater brilliancy of its color, and more compact and dwarfer growth.

McNally. Red stemmed; bright, rich green with yellow arching veins. A robust grower.

15 cts. each; \$1.50 per dozen. By express, \$8.00 per 100.

ALOYSIA CITRIODORA

The well known "Lemon Verbena," noted for its delightful fragrance of foliage. No garden is complete without it. 20 cts. each; \$2.00 per dozen.

AGERATUM

Useful in all summer bedding schemes, as well as for baskets and vases, on account of their supplying the serious lack of blue shades among bedding plants. The flowers appear in great profusion all the season, in rounded terminal umbels, each floret a small round bur of protruding, but soft bristles. They appear to greatest value as an edging or massed, in liberal quantities.

Blue Star. Bright blue, star shaped flowers in large clusters; even, dwarf growth.

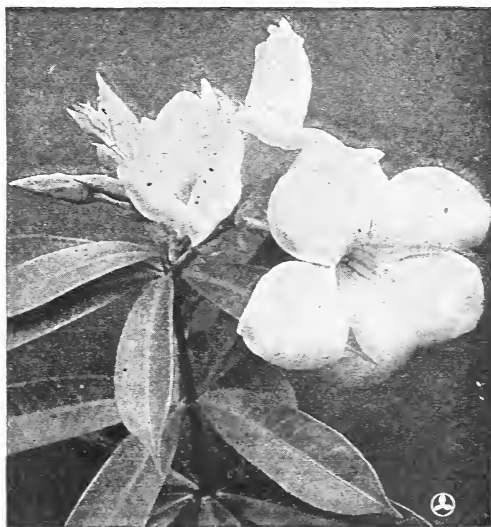
Tapis Blue. Dark and showy.

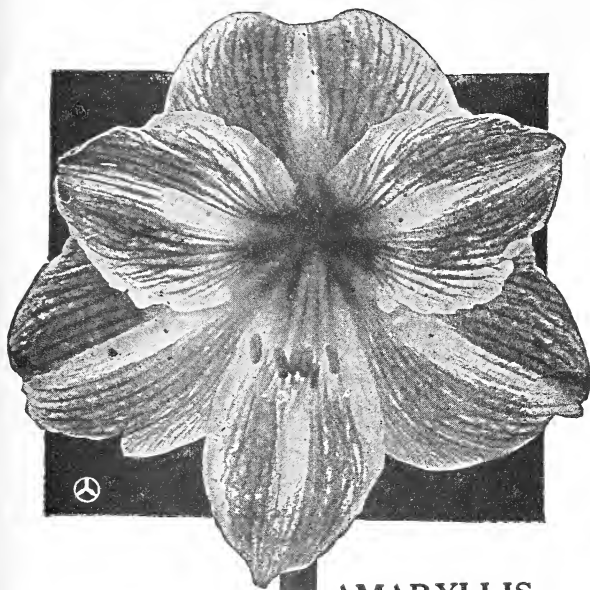
White Cap. Pure white.

15 cts. each; \$1.25 per dozen. By express, \$8.00 per 100.

ALLAMANDA

Hendersoni. A choice greenhouse plant with magnificent flower-bells three to four inches in diameter; the richest, purest, waxiest yellow imaginable, and sweetly fragrant. This fragrance is entirely distinct, and unforgettable. Plant is strong growing, with a decided climbing tendency which makes it valuable for training on conservatory pillars and interior trellises. 25 cts. each.

**Allamanda Hendersoni**



AMARYLLIS

New Hybrids. In this new selection of improved types, we offer a most delightful range of colors, both solid and in combination. They run through shades of red and rose to white; not offered separately, but in mixture. Bulbs 50 cts. each; \$5.00 per dozen.

ALTERNANTHERA

Bright, dainty little foliage plants extensively used for dwarf edging and for carpet bedding.

Aurea. Fine leaved; bright yellow touched with green.

Brilliantissima. Rather broad leaves, bushy growth; mottled bronze and cream, but mostly bright red.

Carroll Park. Compact, slender leaved variety, showing a bright rose pink effect.

15 cts.; \$1.25 per dozen. By express, \$8.00 per 100.



Aucuba Punctata

ANTHERICUM

Vitatum Variegatum. Very fine decorative plant for the house, but perhaps even more valuable for urns and vases. The foliage is bright green, evenly striped and margined white. 20 cts. each; \$2.00 per dozen. 4 inch pots 35 cts. each; \$3.50 per dozen.

Mandaianum. A new variety, useful, when small, as center to jardinières. Larger plants are very attractive in porch boxes and hanging baskets. The leaves are only about six inches long, dark green, with a creamy yellow streak down the center; the crest of each flower stem reproducing a new plant complete. 20 cts. each; \$2.00 per dozen.

ASPARAGUS

Plumosus Nanus. The lace-like texture of its foliage outclasses Maiden Hair Fern for grace and daintiness; the long emerald sprays making a rich setting for cut flowers of all descriptions.

Sprengeri. Mostly used for hanging baskets where its long dense trails make a gleaming mass of green. 20 cts. each; \$2.00 per dozen.

4 inch pot plants 35 cts.; \$3.50 per dozen.

AUCUBA

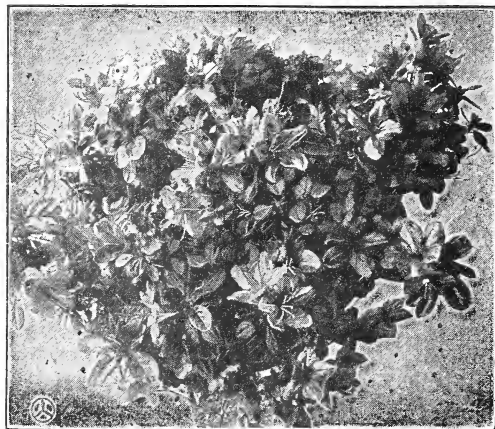
Japonica Punctata. (Gold Dust Plant.) A fine bold plant, especially attractive as large specimens, useful and graceful as palms for hall decoration and a splendid subject for the summer veranda. Leaves are broad; rich shiny green thickly spotted with gold. 3 inch pots—6 to 8 inches high. 35 cts. each; \$3.50 doz.

By express:

4 inch pots—8 to 10 in. high. 60 cts. each; \$6.00 doz.

6 inch pots—15 to 18 in. high. \$1.50 each; \$15.00 doz.

New Japanese Kurume AZALEAS



Splendid substitutes for the Azalia Indica of pre-war days, providing excellent and welcome flowering pot plants for winter house decoration.

Christmas Cheer. Flowers semi-double; a cheerful, brilliant "Christmas"-red.

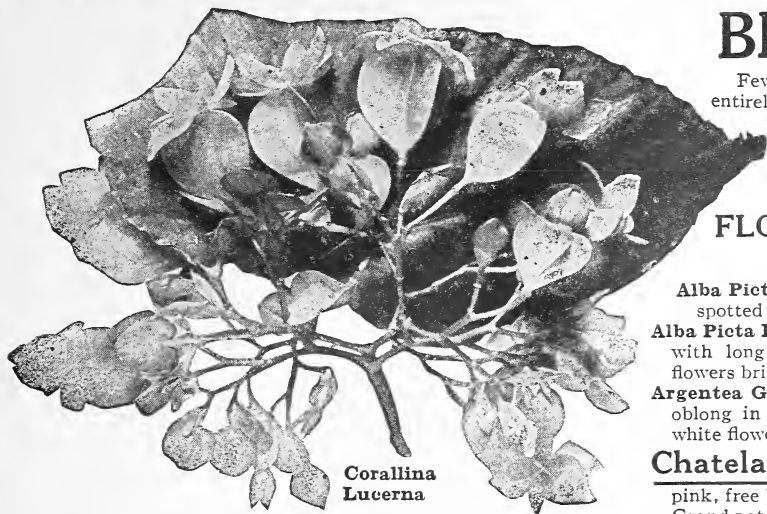
Daphne. Single flowers of silvery white, stained at the edge of petals with delicate mauve.

Pink Pearl. Extra large and full trusses of semi-double flowers; a warm salmon-carmine graduating much lighter to the center.

Snow. Pure white.

Above varieties, from 3 inch pots, 4 to 6 bloom heads, \$1.00 each. By express, \$7.50 per 10.

Kurume Azaleas Mixed. A line of unnamed varieties with all desirable features of the class, but colors not even kept separate. 5 inch pots, \$1.50 each by express.

Corallina
Lucerna

Corallina Lucerna. A splendid upright, vigorous grower, with long leaves of spotted olive green, a bright wine-red beneath. Enormous trusses of perfect coral red flowers make this variety one of the showiest and most desirable kinds in cultivation. 30 cts.; \$3.00 per dozen.

Duchartrei. Flowers white with a round burr of red bristles on under side of petals. The largest flowered variety of its type. Foliage reddish purple beneath, both sides conspicuously white bristled. Constant and profuse bloomer. 25 cts. each; \$2.50 per dozen.

Glorie de Chatelaine. A brilliant pink bedding sort almost perpetually in bloom. This has come to be one of the most popular on account of its general dependability.

Gracilis Luminosa. A magnificent new specimen of the Semperflorens type, with flowers large, perfect and plentiful, and never out of bloom. Color the brightest scarlet.

Haageana. Another strong new decorative type, with large trusses of creamy white flowers suffused with pink; and foliage bold and attractive, bronzy green above, and reddish on the under side. 30 cts. each; \$3.00 per dozen.



Argentea Guttata

BEGONIAS

Few families of house plants are so entirely satisfactory in every way as the Begonias. They are rich in color and beautiful in design, and all classes are easily handled under any condition.

FLOWERING BEGONIAS

Alba Picta. Leaves glossy green, thickly spotted with silvery white; flowers white.

Alba Picta Rosea. Strong growing variety with long green leaves, spotted silver; flowers bright rose color.

Argentea Guttata. Purple bronze leaves, oblong in shape, with silvery markings; white flowers.

Chatelaine Supreme. A giant flowered pink, free branching and always in bloom. Grand pot plant that will thrive under ordinary dwelling room treatment. 35 cts. each. 4 inch pot plants by express, \$1.00 each.



Metallica

Manicata Aurea. Large, glossy leaves, beautifully blotched with creamy white, with carmine etchings in the mature leaves. Flowers delicate blush white on long stems, 30 cts. each; \$3.00 per dozen.

Marguerite. A particularly strong growing variety with long, corrugated leaves showing a rich metallic luster; underside very hairy. Flowers rosy white.

Marjorie Daw. (Trailing.) Bright salmon-pink flowers produced in broad panicles, drooping down from under the foliage. A rapid grower with bright green "angel-wing" leaves, 25 cts. each.

Metallica. A shrubby free blooming variety, with triangular leaves; under side of leaf and stem hairy; the surface a lustrous metallic or bronze color, veined darker; flowers white. 25 cts. each; \$2.50 per dozen.

FLOWERING BEGONIAS—Continued

Mrs. M. A. Patten. Of the serviceable bedding type represented by *Glorie de Chatelaine*, but glowing with a deeper, brighter shade of pink, the yellow center conspicuously attractive.

Nitata. Blooms in good sized clusters of large flowers; white delicately flushed rose.

Otto Hacker. In a class by itself. A strong, vigorous grower, of fine upright habit, with large shining deep green leaves eight to ten inches long. Flowers bright coral red, borne in immense clusters eight to ten inches across. 25 cts. each; \$2.50 per dozen.



Otto Hacker

Pink Rubra. Deep green "angel-wing" foliage, good sized trusses of rosy pink flowers.

President Carnot. A strong growing variety, of stiff, upright habit; foliage large, upper side deep green, under side purplish red; flowers beautiful coral red in large pendant panicles.

Pride of New Castle. Red flowers with white centers.

Prima Donna. A good bedding Begonia with large, free flowers of bright pink.

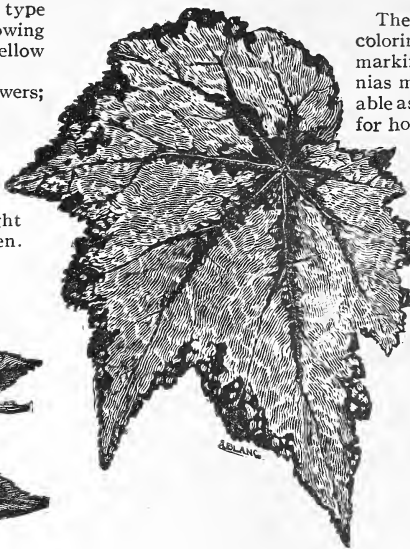
Sandersoni. Bushy variety, glossy deep green leaves; flowers in drooping clusters, scarlet; buds heart-shaped.

Thurstoni. Under side of leaves is rich, purplish red, veinings prominent, upper side bronzy green, shaded with crimson and olive, peculiar glossy metallic luster over all. Flowers rosy white in large clusters. 25 cts. each; \$2.50 per dozen.

Warscewici. The old-fashioned "beef-steak" Begonia. Thick, rounded leaves of deep green, with red on reverse side. 25 cts. each; \$2.50 per dozen.

White Pearl. Large, waxy white flowers; practically everblooming; growth rapid and bushy.

Unless noted, 20 cts. each; \$2.00 per dozen; 8, our choice, for \$1.25.

REX BEGONIAS

The broad leaves, high coloring and exquisite markings of Rex Begonias make them invaluable as decorative plants for house culture. They make excellent plants for baskets and vases, if given plenty of moisture and not exposed to the full rays of the sun. We have an unusually good stock and variety this year.

Mixed varieties, varied colorings, our choice, 25 cts. each; \$2.50 per dozen.

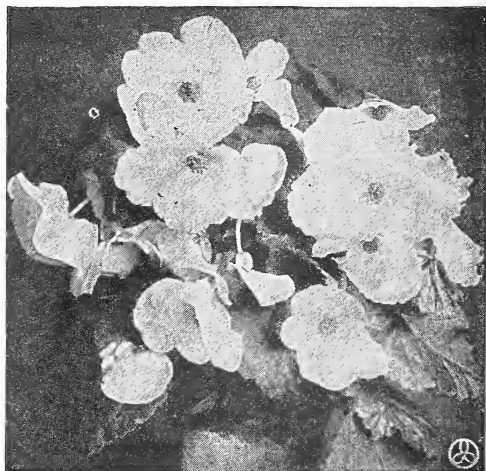
TUBEROUS ROOTED BEGONIAS

This is indeed a most interesting section. The flowers vary considerably as to form and size, ranging from two to four and even six inches across, with some of the single ones perfectly smooth, while others are fluted or distinctly fringed. The colors are delightfully vivid and distinct.

When grown outside, the Tuberous Rooted Begonias should be taken up before cold weather, spread out to dry, and be packed away in boxes of dry sand and stored through winter in some cool place, yet not where frost can reach them. Some little time before planting outside in spring they should be potted and kept inside until well started. They delight in a partially shaded location in soil composed of leaf mold, sand and well rotted manure.

SINGLE FLOWERED. Separate colors, white, pink, scarlet, crimson, salmon and yellow. 25 cts. each; \$2.50 per dozen; \$18.00 per 100.

DOUBLE FLOWERED. Varieties in separate colors, white, pink, scarlet, crimson, salmon and yellow. 30 cts. each; \$3.00 per dozen; \$22.00 per 100.



Tuberous Rooted Begonia



Variegated Leaf Bougainvillea

BOUGAINVILLEA

Their foliage is attractive in form, and shiny; the entire effect of leaf, twiggy growth and luxuriant bloom giving them an air of tropic elegance unequaled by any other indoor vine. Their bright festoons are wonderfully effective in conservatories and sun-rooms, but cannot be expected to attain fullest development or last as long in the ordinary rooms of a house. Trained on wire trellis forms, they can be kept down to dwarf, compact formation for use in tubs or large crocks.

Wm. K. Harris. A handsome foliage variety; leaves showing a sharply defined variegation of bright green and creamy white, in about equal proportions. More shrubby and slow-growing than its companions; especially fine for tubs. The plentiful flowers are a light rose color. 3 inch pot plants, 35 cts. each. By express, 5 inch pot plants, \$1.25 each.

Crimson Lake. This is one of the most notable plant introductions of recent years.

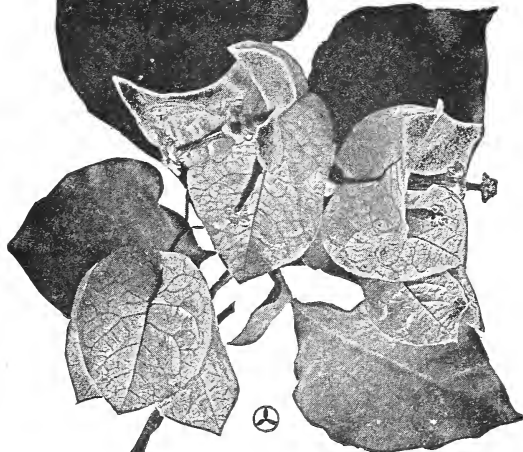
Its clustered bells are even more numerous than on the *Glabra Sanderiana*, and a little larger; but the brilliancy of color is beyond compare. Technically, the name "Crimson Lake" represents its color but cannot invest the great, crinkly, paper-like bells in their emerald setting, with a modicum of the charm and beauty which captivates the actual beholder. 3 inch pot plants 50 cts. each; 4 inch pot plants at \$1.50 each.

Glabra Sanderiana. Large bell-shaped flowers of lilac-rose borne profusely in terminal clusters all over the plant; blooms when quite small. 3 inch pots, 25 cts. each; 5 inch pots, by express, \$1.00 each.

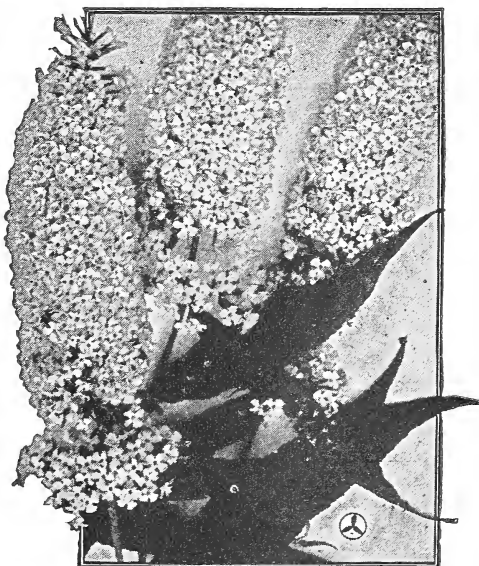
BUDDLEIA (Butterfly Bush)

Asiatica. A desirable winter-blooming greenhouse shrub which fills the air with fragrance and produces a vast amount of attractive bloom during the season. The flowers are white, borne in slender, compact racemes three to six inches long, which usually appear in groups at the end of the branchlets. 25 cts. each; \$2.50 per dozen.

Magnifica. This variety is selected from several good sorts as being the hardiest for all sections when used outdoors as a permanent shrub. Flower spikes 10 inches in length by 3 in diameter are not unusual. Color deep violet-rose, with a pronounced orange center. Strong 2 year—50 cts. each; \$4.00 per 10. 1 year, mail size—20 cts.; \$1.80 per 10.

Bougainvillea
"Crimson Lake"Browalia
Blue
GiantBROWALIA
("Blue Giant")

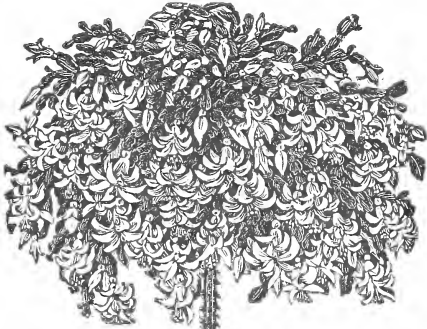
A conspicuous, handsome and very useful plant, with single flowers of deep indigo blue, fully two inches in diameter, blooming continually and completely enveloping the plant. Either for beds or pot plants; also useful to get blue into porch boxes and baskets. 20 cts. each; \$2.00 per dozen.



Buddleia Magnifica

CACTUS

Growing to a single sturdy stem, the grafted tops spreading out horizontally with age, and with the drooping flowers making a brilliant canopy above the pot.



Epiphyllum
flowering crimson
drooping flowers.
imens several
carried between
fect flowers at
plants we offer
ed plants with
12 to 15 inches
fine drooping
Must be sent by



Truncatum. An early
scarlet variety with long
We have seen spec-
years old, which
200 and 300 per-
one time. The
are strong graft-
straight stem,
high, making
specimens.
express; \$1.00 ea.

Epiphyllum Makoyianum (In bloom for Easter). A
beautiful variety of the Crab or Lobster Claw Cactus,
with bright scarlet flowers of large size and unusually
bright and showy. Must be sent by express; too large
to mail. \$1.00 each.

CALLAS

The White Calla is rarely used except for house bloom,
but the hardier spotted-leaved variety, *Elliotiana*, is
mainly used in the gardens for the beauty of its foliage
as a border, and its delightful flowers for late summer
cutting. The bulbs should be set out after danger of
frost is past, and dug up again in the fall for drying off
and winter storage.

Ethiopica. This is the well known and ever popular
White Calla Lily whose chaste, waxen beauty has
lent itself for generations to typify purity and sacred-
ness. There is nothing to take its place in decora-
tions for church functions, and its presence in the
home is ever an inspiration. 35 cts. each; \$3.50 doz.
Elliotiana. Leaves dark green with creamy white
spots; flowers a richly lustrous golden yellow.
30 cts.; \$3.00 per dozen.

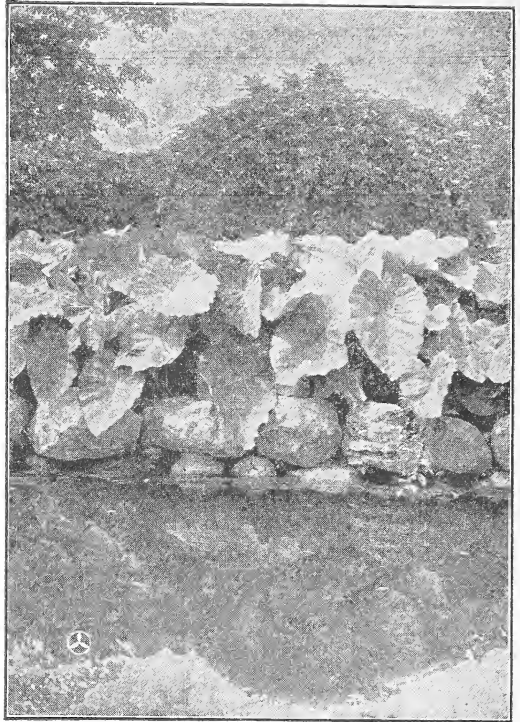
The Godfrey Everblooming Calla. (New.) Flowers
as large as the largest and outbloom the others
three to one; pure white. Plant dwarf and com-
pact. 25 cts. each; \$2.50 per dozen.

CALADIUM ESCULENTUM

(Elephant's Ear)

For obtaining tropical effects in lawn and garden
planting this beautiful plant takes a prominent place.
Stands six to seven feet high, with bright green leaves
three to four feet long and two and one-half feet wide.
Should have plenty of water and good rich soil. Is a
splendid adornment for the banks of fountains and
lily ponds, or any rockery work where plenty of mois-
ture is available.

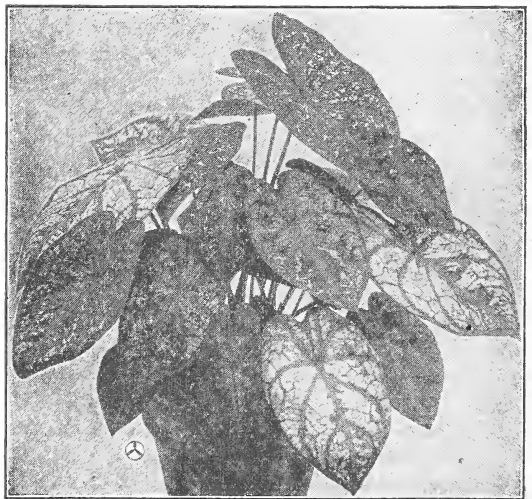
| | Each | Dozen | Express |
|------------------------|---------|--------|---------|
| Extra large bulbs..... | 35 cts. | \$3.50 | \$3.00 |
| First size bulbs..... | 20 cts. | 2.00 | 1.75 |
| Second size bulbs..... | 15 cts. | 1.50 | 1.00 |



"Elephant's Ear" planted in Rockery

FANCY LEAVED CALADIUMS

A class of beautiful variegated foliage plants, excel-
lent for window boxes, vases or single pot plants, suc-
ceeding equally well in a somewhat shady situation out
of doors. Among all foliage plants they are undoubt-
edly the showiest, reveling in many soft colors and
indescribable beauties of design. After becoming
well established, they require liberal watering coupled
with adequate drainage. The bulbs should be started
into growth about the first of April and dried off in
October and kept in a warm and dry place until spring
again. 25 cts. each; \$2.50 per dozen.



Fancy Leaved Caladiums



CANNAS



Of all summer bedding plants, Cannas are the tallest and bulkiest, and furnish the widest range of colors. Their foliage is of noble proportions, making a full, compact mass which serves to conceal the ground or background, and is of itself attractive in rich shades of green, bronze, red and chocolate. The surmounting flower trusses are uniformly large and free, brilliant with most of the colors and combinations known among flowers.

Massed plantings in one color are recommended as being most effective; but many beautiful and striking combinations of colors may be arranged.

Unless noted, all varieties in succeeding list have green leaves and belong to the well known Dwarf French Canna class. The exceptions noted refer to those few having dark or "Bronze" foliage, and to those tall sorts known as giant "Orchid-flowered," or Italian Cannas.

PLANTING DIRECTIONS

Soil, etc. Cannas will grow in any kind of soil and most any location, but to obtain fullest development and reward, they should be given an open, sunny location and the soil enriched with well-decayed manure. Dig up about two feet deep, and at all times give plenty of water.

For bedding, Cannas should be planted no less than 18 inches apart each way; starting outer rows 9 inches inside margin of bed. Thus the planting radius of a 6 ft. circle for outside row is 27 inches. In circular beds, the tallest variety should occupy the center, the medium heights next, finishing with a dwarf kind for the outside row. By consulting our descriptions, varieties may be selected according to desired heights, which range from 2½ to 8 feet. See planting formula and table on page 59.

SPECIAL OFFER FOR CIRCULAR CANNA BEDS

Prices applicable to special beds A or B only

| 6 Feet | 8 Feet | 10 Feet |
|--------------------|--------------------|--------------------|
| Center..... 1 | Center..... 1 | Center & 1st row 6 |
| 1st row..... 2 | 1st row..... 8 | 2nd row..... 12 |
| 2nd row..... 10 | 2nd row..... 14 | 3rd row..... 18 |
| Total plants... 13 | Total plants... 23 | Total plants... 36 |
| Price \$1.60 net. | Price \$3.00 net. | Price \$5.00 net. |

By express. Purchaser paying charges.

We reserve the right to substitute if listed variety is exhausted.

CANNA BED "A"

Center and 1st row (or for 10 ft. bed also 2nd row).
King Humbert—
Red; dark leaves.
Outside row
Gustav Gumpfer—
Yellow.

CANNA BED "B"

Center and 1st row (or for 10 ft. bed also 2nd row).
Richard Wallace—
Canary Yellow.
Outside row
The President—
Brilliant red.

GENERAL COLLECTION

ALL VARIETIES,—unless noted, 20 cts. each; \$1.75 per dozen. By express, \$10.00 per 100.

Beaute Poitevine. Blood-shot petals of crimson-scarlet. One of the good, reliable red bedders. 3½ to 4 feet.

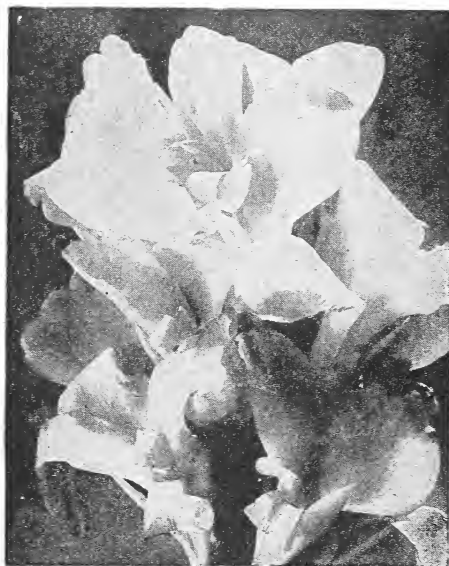
City of Portland. Distinct among the several really worth while pink Cannas. Derived from "Mrs. Alfred Conard," this new variety is a deeper, warmer pink, holding its tone through both hot and cool weather. The great, full-petaled trusses are borne very freely on heavy stalks and make a wonderful show throughout the season. 3½ feet. 25 cts. each; \$2.50 per dozen.

Crimson Bedder. Dazzling crimson-scarlet, well displayed above the foliage. This is one of our own, most conspicuous and satisfactory red bedding Cannas. 3½ to 4 feet.

Dazzler. Brightest of the bright brick-reds. An acceptable innovation, most other varieties of this shade being tall and uneven, whereas Dazzler is dwarf, compact, free-blooming and uniform. 3½ feet. 35 cts. each; \$3.50 per dozen.

Duke of Marlborough. Rich crimson maroon; the darkest red in our list. 5 feet.

Dwarf Florence Vaughan. A free flowering, dwarf form of F. Vaughan; red very distinctly "speckled" over deep yellow. 3 feet.

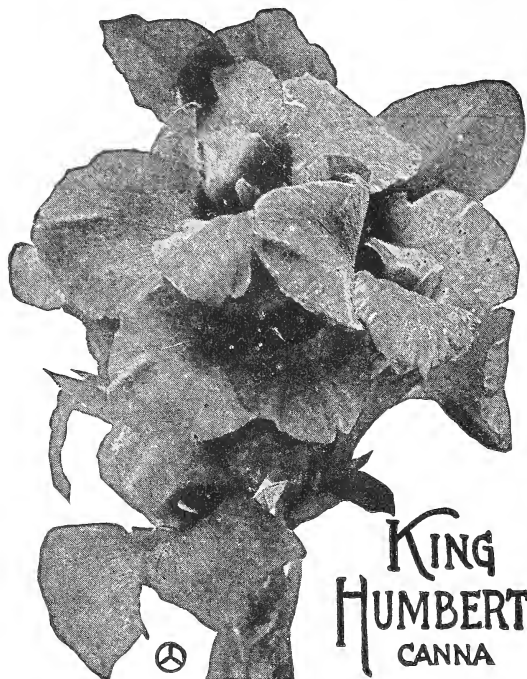


Eureka.

Eureka. The genuine, practical **White Canna** is found at last. With the advent of Eureka, we are granted good, full trusses; broad petals; uniform, free and continuous bloom, and a clean, waxy, lily-white color. Plant growth sturdy, with nice foliage. 4½ feet. 25 cts. each; \$2.50 per dozen.

Gustav Gumpfer. An ideal yellow bedding sort possessing the practical qualities of compact, bushy growth; free and continuous blooming; self-cleaning habit; flower heads well extended above the foliage and characteristically uniform in spread; in color the richest kind of orange-yellow, which rarely fades. 3 to 4 feet; leaves deep green.

Hungaria. A magnificent pink Canna widely used for large solid beds. The petals are large and waxy, made up into big round, full trusses. Its color forcibly suggests the well known Paul Neyron Rose, and is unquestionably one of the most popular pink Cannas ever produced. 3½ to 4 feet. 25 cts. each; \$2.50 per dozen.



**KING
HUMBERT
CANNA**

King Humbert. (*Both Bronze and Orchid Flowered*)

The grandest Canna ever offered. Large, heart-shaped leaves of purple madder brown over bronze, the dark ribs sharply defined, crowned with immense heads of Orchid-like flowers. Individual petals are of the largest size; velvety orange-scarlet flecked carmine; rose tinted at margin and base. 4 to 4½ feet. 20 cts. each; \$2.00 per dozen. By express, \$12.00 per 100.

Long Branch. Flowers bright crimson, with irregularly dotted border of yellow. This is one of the best tall variegated sorts. 5 feet. 25 cts. each; \$2.50 per dozen.

Louisiana. (*Orchid Flowered*) Soft, dark scarlet, with orange throat markings. One of the good kinds for tall backgrounds. 6 feet.

Mad Crozy. Gilt edged, rosy scarlet. 3½ feet.

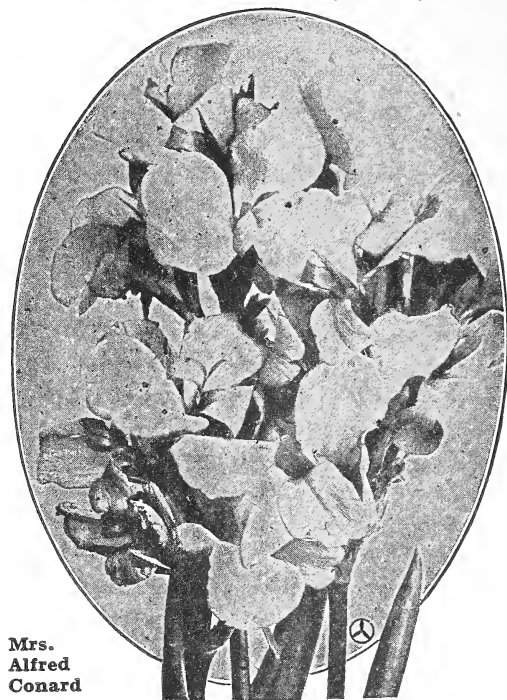
Mrs. Alfred F. Conard. Splendid broad heads, clean and full petaled; silvered peach pink. Pink Cannas are becoming more popular each year, and this charming variety seems to be one of the favorites. 4 feet. 25 cts. each; \$2.50 per dozen.

Mrs. Kate Gray. (*Orchid Flowered*) A large flowered sort, of fine form and substance. Color, a deep orange delicately shaded with carmine; distinct dotted yellow throat. 6 feet.

Orange Bedder. Bright orange with just enough scarlet suffusion to accentuate the orange brilliance. 4 feet.

Queen Charlotte. Makes a gorgeous display in masses. Color a wide, ragged band of yellow bordering a center of scarlet suffused carmine. 3½ feet.

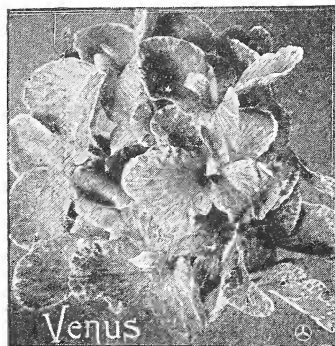
Richard Wallace. A tall growing, wide flowered, heavy trussed canary yellow—the largest and best of its color; bleaches very little. This would be our choice for a large, solid bed in a tall-growing yellow. 5 feet.



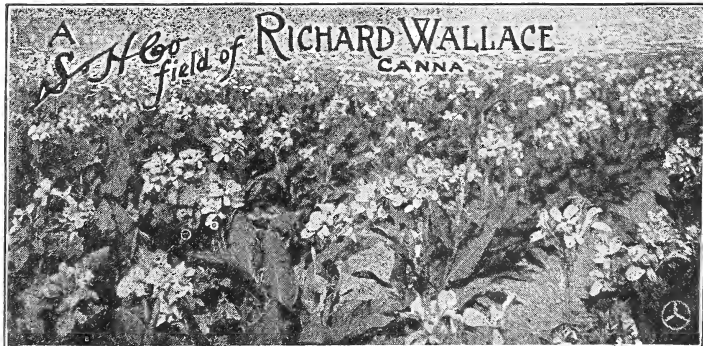
**Mrs.
Alfred
Conard**

Rosea Gigantea. Extra large flowers, borne in great profusion; color a uniform deep rose, almost carmine. The plants grow vigorously to about 4 feet in height and make a continuously fine show of bloom and fresh green foliage. 35 cts. each; \$3.50 per dozen.

Souv. de Antoine Crozy. Rich crimson-scarlet bordered with golden yellow. 3½ feet.



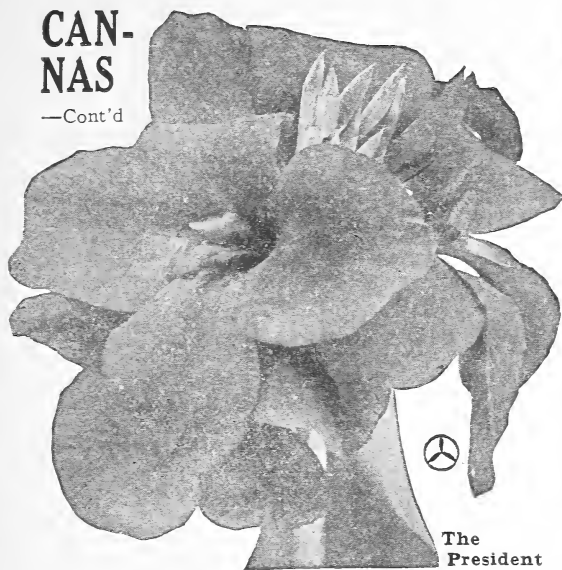
Venus



**A S. H. Co. field of RICHARD WALLACE
CANNA**

CAN-
NAS

—Cont'd

The
President

The President. This magnificent red Canna (introduced in 1918) won the gold medal from the National Department of Horticulture; and in respect for its upstanding character, distinguished attributes and splendor, was fittingly named "The President." The flowers are immense, round, firm — often 7 inches across — of extra good quality and borne in the greatest profusion. The color is unfading, pure, glowing scarlet; foliage rich green. Of all the green leaved sorts above medium height, this is the best dark red. 4 feet. 25 cts. each; \$2.50 per dozen. \$18.00 per 100 by express.

Venus. Delicate in coloring and texture, and as vigorous and long-seasoned as any Canna grown. Long, erect stems bear trusses of large size, perfect form and ever clean freshness. The large oval petals are exquisitely variegated; warm rose-pink, mottled near center, and edged with creamy white. 4 feet.

Wintzer's Colossal. (*Orchid Flowered*) Without doubt the largest flowered Canna to date, over 8 inches across. Strikingly vivid scarlet that retains its brilliancy. 5 feet. 25 cts. each; \$2.50 per dozen.

Wyoming. (*Both Bronze and Orchid Flowered*). A beautiful new variety, with rich purplish bronze foliage. Flowers are large as King Humbert, and of good substance; bright orange slightly rimmed and flaked with rose. 7 feet.

Unless noted, 20 cts. each; \$1.75 per dozen. By express, \$10.00 per 100.

A few families still cling to the old time tall foliage Cannas with little, detracting flower spikes, which they have saved from year to year to bank against the porch. Now that there are so many wonderful types with better foliage and really beautiful and massive flowers, we believe the old roots should be discarded.

CESTRUM PARQUI

(Night Blooming Jasmine)

A much esteemed summer bedding plant, with waxy dark green leaves and open panicles of tubular, creamy white flowers. Although inodorous during the day, they fill the whole garden with fragrance at night. 20 cts. each; \$2.00 per dozen.

CARNATIONS

Carnation plants should be repotted whenever there is indication of their becoming pot-bound. Transplanted into the garden after all danger of frosts is over, and given at least 12 inches of space, with good soil and cultivation, these plants should furnish abundant bloom from July until late Fall or may be kept "pinched back" to retard bloom, potted up at approach of frost and brought inside for winter blooming.

Valued above all other blooming plants for the inspiring spiciness of their perfume, the perfection of their flower form, fine cutting-lengths of stem, freedom, and long lasting quality.

Aviator. Among the newer red carnations, there is no more satisfactory and pleasing kind than this. It is a good sized, bright scarlet.

Benora. A handsome variegated sort; white irregularly streaked with red.

Enchantress Supreme. A light salmon-pink which does not bleach and is not liable to split.

Laddie. A new variety of extreme size, $3\frac{1}{2}$ to $4\frac{1}{2}$ inches in diameter; color a warm rosy salmon-pink. Very free flowering and satisfactory. 25 cts. each; \$2.50 per dozen.

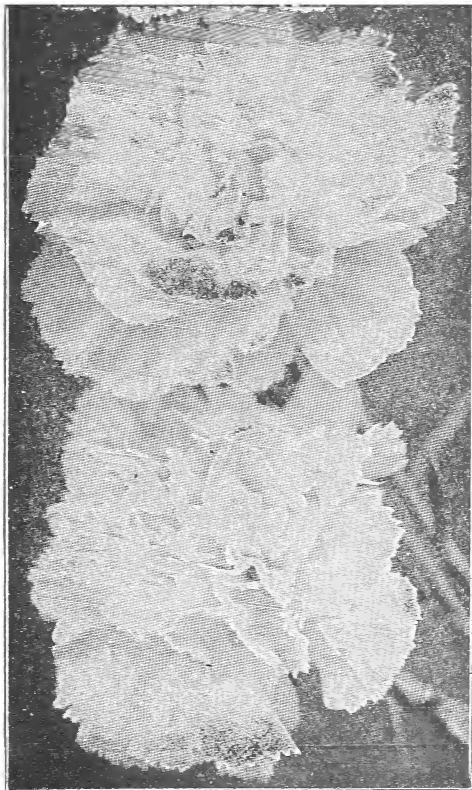
Matchless. A large, pure white, long stemmed and free-blooming. The petals are attractively fringed and the perfume delightful.

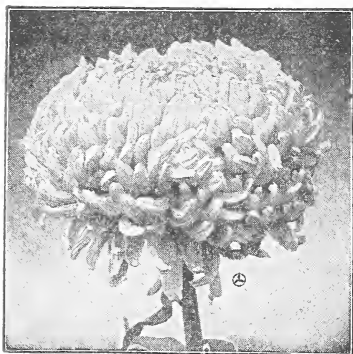
Mrs. C. W. Ward. One of the very good deep pink sorts, of attractive size and form, very free blooming and strongly scented.

Nebraska. A strong easy grower, very productive of bloom. $3\frac{1}{2}$ inch flowers; vivid scarlet.

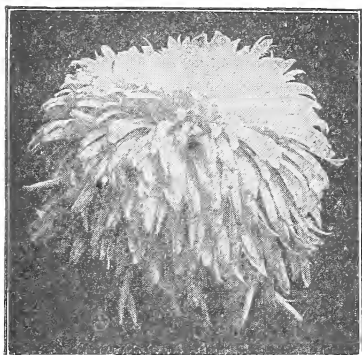
White Wonder. Earliest white, and freest blooming.

Unless noted, 20 cts.; \$1.75 dozen; \$10.00 per 100.

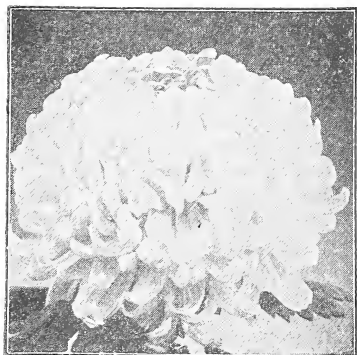




Edwin Seidewitz



Type of Harvard



Maud Dean



Richmond

CHRYSANTHEMUMS

A small percent of the great number of varieties in Chrysanthemums are hardy and will survive the rigors of winter when left in the ground; a larger percent may be usually depended upon if given protection; but the majority of them must be kept inside during the winter.

To those who are fortunate enough to have conservatories, there is no restriction of opportunity. The magnificent, large flowered, fancy sorts may be forced and developed to the highest state of perfection; but the average householder, however, must depend upon his garden for the 'Mum show; and is naturally limited to the Earlies, Mid-seasons, Pompons, etc., which will bloom freely during the fall, and before winter sets in. Buy young plants each season, like Geraniums; their first bloom is best.

LARGE FLOWERED TYPES

(E) for early; (M) for Mid-season; (L) for late.

Unless noted, 20 cts. each; \$1.75 per dozen. By express, \$10.00 per 100. 12 of our choice, assorted, by mail for \$1.25.

Celebration. (M) For commercial cutting, this is one of the very best in its cutting season. It is a high colored golden yellow with fine finish, and lasts exceptionally long. 25 cts. each; \$2.50 per dozen.

Chieftain. (M) Globular, incurved, full and round; rose-pink color.

Chrysolora. (M) Yellow, midway in shade between Col. Appleton and Major Bonnaillon.

Col. D. Appleton. (M) Very large, deep golden yellow, flower of fine finish and form.

Dr. Enguehard. Bright rose-pink.

Early Frost. One of the most perfect and free blooming of the early pure whites.

Early Snow. Very early; pure white.

Edwin Seidewitz. (L) A very pretty, well-formed pink variety in prime for Thanksgiving Day.

Golden Chadwick. (L) One of the very best yellows; deep in color and perfectly formed.

Golden Eaton. (M) An improved development from the Eaton type, showing a deep, rich golden yellow color. 25 cts. each; \$2.50 per doz.

Golden Mistletoe. (L) A free-blooming, ball shaped flower of good size, one of the latest to bloom, rich, golden yellow. 25 cts. each; \$2.50 per dozen.

Golden Salamon. (E) A magnificent deep golden yellow with large bloom and vigorous growth.

Golden Wedding. (M) Reliable old sort; bright golden yellow.

Harvard. (L) Japanese reflexed; very dark crimson. A popular boutonniere for the late football season. 25 cts. each; \$2.50 per dozen.

Ivory. (E) Flowers pure white, of exquisite form.

Major Bonnaillon. (L) The yellow for all purposes.

Marigold. (E) A very early variety of exceptional size and bright yellow color; choice blooms being forced to nine inches in diameter.

Maud Dean. (L) A very popular large pink.

Monrovia. (E) One of the very earliest; deep yellow.

Oonto. (M) A beautiful white Japanese type, of moderate size but perfect ball shape. This variety is quite hardy.

Pacific Supreme. (E) A fine deep pink seedling of Glory of Pacific.

Richmond. (M) A golden yellow; noticeable for its long blooming season, fine form, perfect fullness and silky finish.

Robt. Halliday. (E) Large, broad petaled yellow, of graceful form.

Roman Gold. Incurved sort; darker yellow than Golden Wedding.

Timothy Eaton. (M) For many years the leading large flowered white.

White Chieftain. (M) A perfect ball of compact petals; one of the most dependable white 'Mums of its type for late October bloom.

White Seidewitz. (L) Corresponds in character and blooming season with its pink prototype. Pure white.

Yellow Eaton. A good clear yellow form of Timothy Eaton.

Unless noted, 20 cts. each; \$1.75 per dozen. By express, \$10.00 per 100. 12 of our choice, assorted, by mail for \$1.25.

POMPON CHRYSANTHEMUMS

The flowers run from $\frac{1}{4}$ inch to 2 inches in diameter, small petaled, very compact and formal, usually in rather close clusters so that one cut spray is a bouquet in itself. While not all varieties are entirely hardy, their inexpensiveness makes a liberal planting worth while even for but one fall show. As pot-plants, the Pompons are very satisfactory and furnish some of the daintiest table decorations of the fall and winter season.

Ashbury. Lilaceous pink. One of the earliest, freest and showiest.

The Baby 'Mum. Perfect button, smallest and prettiest of the Pompons, and original of a valuable type; bright golden yellow. The individual flower is $\frac{1}{2}$ to $\frac{3}{8}$ of an inch in diameter, quilled. Perfect pot plant, also valuable for cut sprays.

Becky McLane. Stiff stemmed, liberal clusters of small bronze buttons.

Button Rose. A dainty pot plant; deep rose color. 20 cts. each; \$2.00 per dozen.

Bright Eyes. Until finally unfolded, the incurving central petals show their reverse in strong orange-apricot, making a decided contrast against bluish white of outer layers. 20 cts. each; \$2.00 per doz.

Christmas Gold. Profusely blooming, normal size, perfect buttons, bright golden yellow. Fine pot plant.

Donald. Light pink button.

Doris. Reddish bronze; button type, very attractive.

Elkton. Profuse, very compact, multi-petaled flowers of dollar size, bluish white slightly tinged lavender.

Excelsior. Bright orange yellow; very free.

Golden Harvest. Medium buttons, attractive, popular shade; deep, golden yellow touched with bronze.

Julie Lagravere. Late; best deep red.

Little Bob. A free, small button; brownish red.

Little Pet. Small, bright rosy-crimson.

Little Tot. Pale rose pink. Flower sprays remarkably full and attractive, because tip and side branches bloom simultaneously.

Mrs. Beu (Syn. Frank Wilcox). Dull gold tinged with red, in prime for Thanksgiving.

Niza. A very early, delicate pink; medium sized.

Romaine Warren. A distinct variety, with handsome sprays which reveal each flower individually. Color orange yellow and light bronze, completing with a dark orange center.

Wm. Sobey. Tall; flattish flowers, canary yellow.

Unless noted, 15 cts. each; \$1.50 per dozen. By express, \$8.00 per 100.



Romaine Warren

ANEMONE 'MUMS

The Anemones are distinct garden kinds and very useful when cut in sprays for floral decoration. Plants grow 2 to 3 feet; and bloom extravagantly with clustered flowers averaging 3 to 3½ inches wide. The central cushion or disc of dense, short quills, rests on one or more layers of usually flat ray florets.

Alice Howell. Orange yellow; early and continuous.

Co-ed. Ray petals abnormally reflexed. Soft pink, with strong yellow tinge at center of cushion.

Emma. Tender pink grading outward to flesh pink, the whole flower illuminated by its center of yellow.

Eugene Langaulet. Rich coppery bronze.

Garza. A perfect type; of medium size, disc compact, rays broad. Purest white, with yellow center.

Kittie Bourne. Charming yellow.

Maple Leaf. Being of dwarf growth, is well adapted to pot plant use. The high cushioned flowers express all the changing shades of red and yellow which autumn gives the Silver Maple.

Sunshine. Crowded sprays of intense and cherry yellow flowers.

The Belle. Purest white, both disk and rays.

The Chief. All-over light yellow of even shade, the full, rounded cushion appearing darker by reason of its density.

Yellow Garza. Clear bright yellow of the Garza type. 20 cts. each; \$2.00 per dozen.

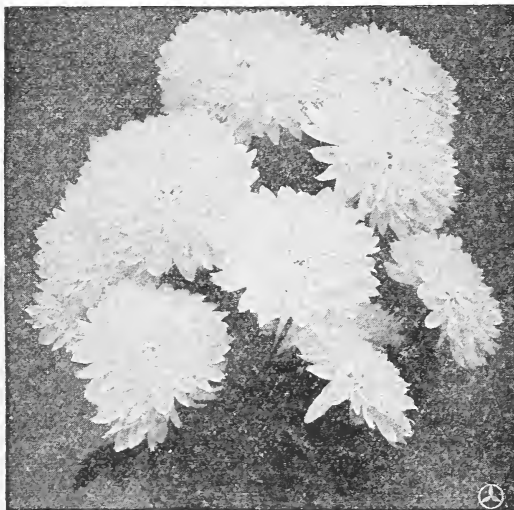
THE "CAP" 'MUMS

Derivations from the original "Caprice," a charming type particularly valuable as blooming pot plants. The plants are dwarf, full-branched and extremely free blooming; with firm, compact pompon flowers.

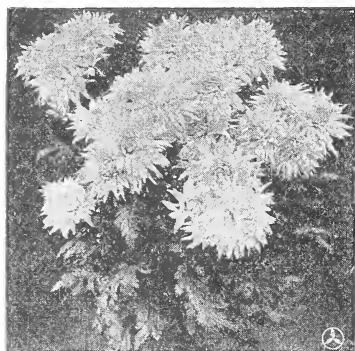
Butler's Caprice. Deep pink.

Lilac Caprice. Bright, clear lilac.

Purple Caprice. A rich, conspicuous shade. 20 cts. each; \$2.00 per dozen.



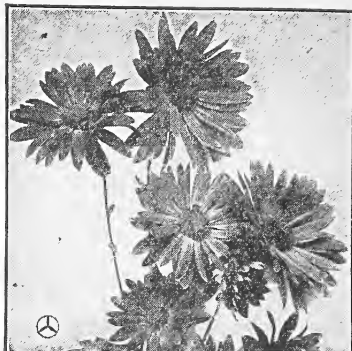
William Sobey



Framfield's Early White



Priscilla



Hilda Wells

SINGLE 'MUMS

A very useful and satisfactory class, popularized during the last few years.

Ceddie Mason. Velvety bright red.

Gipsy. Yellow center, surrounded by a triple row of petals, yellow tinged salmon; novel, striking. 20 cts. each; \$2.00 per dozen.

Hilda Wells. Beautiful Tuscan red, shaded yellow at base of petals.

Ladysmith. Earliest, deep rose pink, with golden eye. An ideal pot plant.

Mary Richardson. Reddish-salmon, beautiful and distinct.

Mrs. E. M. Horne. Flat flowers in good sized sprays which bunch well in bouquets. Light bronzed yellow, shaded with old gold.

Pink Beauty. Large Anemone-shaped; earliest rose pink. One of the daintiest in the list.

Priscilla. Tall, sturdy grower, strong stemmed, free blooming; flowers very clear, light rose pink.

Mrs. Whitehorn. Salmon terra cotta; mid-season.

Wenonah. Beautiful silvery bronze, finest early single. Unless noted, 15 cts. each; \$1.50 per dozen. By express, \$8.00 per 100.

HARDY GARDEN 'MUMS

Those varieties which will resist frost and winter-kill are doubly valuable and acceptable. The following list embraces varieties which have been tested for hardiness, and proven generally dependable in the Northern states, with slight protection.

Cranfordia. Tall; rather late; pure yellow.

Etoile d'Or. Medium height, well branched and profuse in bloom. Rather large button, bright yellow.

Framfields Early White. Pure white; semi-double and loosely built. Valuable early bloom.

Glory of Seven Oaks. ("Everblooming Hardy 'Mum'").

This is a good sized, bright, pretty yellow; mid-summer until late fall.

20 cts. each; \$2.00 per dozen.

CLERODENDRON BALFOURI

A unique, beautiful climbing plant, having bright, scarlet flowers with creamy white calyx. A profuse bloomer, young plants a foot high often bearing several clusters. A strong rapid grower with shrubby stems and small, shiny leaves; can be grown with success as a trellis plant either in the house or garden. 25 cts. each.



Mrs. Whitehorn



Clerodendron COBEA SCANDENS

One of the most rapid growing climbing plants in cultivation; grows from 20 to 25 feet high and bears beautiful purple, deep cup and saucer shaped flowers. For covering porches, trellises or arbors it is very attractive and should be more generally planted. 20 cts. each; \$1.75 per dozen.



Cobea Scandens

COLEUS

Broad-leaved, bushy foliage plants which are unmatched for brilliancy and unique arrangement of colors. Some of the fancier sorts are painted in designs as indescribable as the traceries of frost. The more solid colors, such as *Verschaffelti*, *Golden Crown*, *Beckwith's Gem*, etc., are in most general use for large bedding schemes, and are invaluable as borders; while *Cecil Brown* and *Golden Trailing Queen* for their fine trailing habit and various of the fancy patterned sorts for the brilliancy of their colors, are largely utilized in box and vase work.

Beckwith's Gem. Large leaves of heavy texture, and finely scalloped edges. Center is dark velvety maroon, bordered fiery red, the edge green, changing to creamy yellow at the point of the leaf.

Bonnie. Large, yellowish green leaves brindled with dark red. Very striking.

Cecil Brown. (*Trailing Queen*.) One of the most attractive for close bedding, boxes and hanging baskets ever introduced. Rather small scalloped leaves of dark green, evenly checked with curving maroon lines; the wedge-shaped center gay with magenta and cream.

Chameleon. Long, deeply cleft leaves of light green; mottled with wine color and maroon.

Climax. A capricious beauty, varying in expression with each day's development. The tiny clusters of new leaves are bright green with a cheerful carmine segment; the older leaves show a russet background broken up with cream and pink; while others frame a dappled wedge of crimson and maroon, with the most brilliant shades of clear green.

Crescent. Beautiful pointed leaves edged Nile green, but mainly a velvety red-maroon with a center wedge of crimson pink.

Daytonia. Yellow and green, with varying red-brown center.

Golden Trailing Queen. Somebody worked hard to assist Nature in eliminating all the reds from "Cecil Brown," so here we have the delightful leafage and trailing habit of that fine basket plant, showing a prevailing surface of white gold, accentuated by the mottled moss green scallops of the outer edge. 20 cts. each; \$2.00 per dozen.

Glory of Autumn. Most vivid autumnal colorings in great variety on every plant, each leaf defined by a heavy beaded border of applegreen.

Golden Crown. Brightest yellow for bedding.

Her Majesty. Rich, warm red-brown without a blemish, confined within a beaded edge of gold.

President Harding. A restful background of fresh green, on which is laid a velvet banner of garnet-red. Along this flames a jagged carmine halberd; which, as its vividness increases, glooms the green to bronze and the garnet to maroon. 20 cts. each; \$2.00 per dozen.

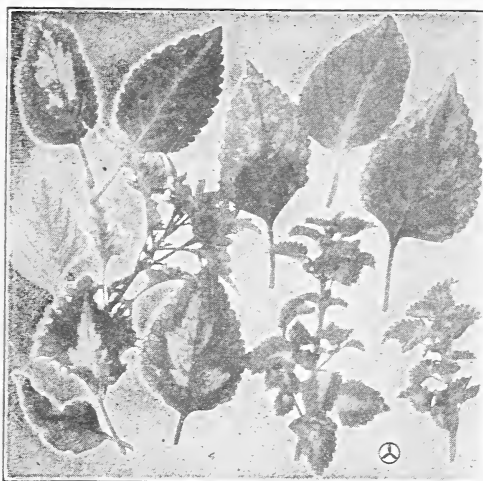
Queen of the West. A center wedge of creamy white bordered green; the whole margined yellow and streaked carmine and maroon.

Richard Werner. (New.) We take pleasure in offering one of our own seedlings with unusually large, round leaves, which has exceptional merit. In color it shows the brilliant high lights of "Her Majesty," with a radiant crimson over-glow. 20 cts. each; \$2.00 per dozen.

Sensation. Large leaf; velvety wine-maroon, streaked and veined carmine. One of the best dark varieties. 20 cts. each; \$2.00 per dozen.

Verschaffelti. Rich velvety crimson.

Unless noted, 15 cts. each; \$1.50 per dozen. By express, \$8.00 per 100.



The Leaves of Various Coleus

COTONEASTER

A desirable class of hardy shrubs valued especially for the rich autumnal coloring of their leaves, and for their conspicuous berries which brighten the fall and early winter. Being difficult to transplant in the average shrub size, we are growing them in pots to send out in a thrifty young stage, for greater security. Plant them in any good well drained soil, avoiding shade or moist situations.

Divaricata. Growth upright to 6 feet; leaves deciduous, broadly oval, lustrous above, turning to crimson. Inconspicuous pink flowers; fruits $\frac{1}{8}$ inch long, turning to bright red in Sept.

Francheti. Upright, densely branched and spreading, with thick elliptic leaves which are yellowish white beneath. The large fruit-clusters gleam brightly orange-red from September on.

Horizontalis. A dwarf shrub with densely spreading horizontal branches almost prostrate. On account of its habit, is much appreciated in rockeries and the front of borders, to display its crimsoning leaves and scarlet fruits deep into winter.

Simonsii. This has attractive inch long foliage, and an upright, branchy growth to 4 feet. The earliest fruiting, its berries showing bright red in mid-summer; its leaves crimsoning for fall.

4 inch pot plants, \$1.00 each; \$9.00 per 10. By express 75 cts. each; \$7.00 per 10.

CUPHEA TRICOLOR (Cigar Plant)

A bushy plant about 15 inches high, bearing great numbers of narrow tubular flowers, bright scarlet, with purple and white tips. Good for bedding or baskets. 15 cts. each; \$1.25 per dozen.

CYPERUS ALTERNIFOLIUS

(Umbrella Plant)

A semi-aquatic plant, throwing up stems two to three feet high, surmounted at the top with a whorl of slender drooping leaves. The flowers are small, cream-colored, in short clusters above these whorls. An excellent plant for growing in water or damp soil; but if grown in pots, a plentiful supply of water must not be neglected. 20 cts. each; \$2.00 per dozen.

DAHLIAS

Spring is beautified by the Peony, summer would seem barren without the Rose; in like manner we have come to expect of autumn—the Dahlia. The great number of more or less distinct varieties which cumber the Dahlia catalogs is bewildering. We are trying to keep our lists down to a reasonable selection from the established varieties we know, and what we deem the best of the new introductions.

CULTURE, Etc. Dahlias are not particular as to the soil or location. Although maximum growth and bloom reward the full sun, some of the stronger sorts develop most perfect specimens in partial shade; and localities with a moist atmosphere or dewy nights are apt to give better results than a drier air. A judicious use of fertilizer is always beneficial, but too much causes profuse foliage and stem at the expense of bloom. Frequent cultivation prior to their blooming season is absolutely essential to success.

Time for planting varies according to climate, but is generally safe after all danger of late frosts is past. Tubers should be planted about 6 inches deep, laid flat, eyes or sprout up. Although good, lively tubers are apt to produce more stalks, started plants give practically an equal amount of bloom. **We send out tubers (root divisions) until supply is exhausted, after which orders are filled with started plants at the same price.**

NEW and RARE VARIETIES of SPECIAL MERIT

The class to which these belong is designated directly after each varietal name; the distinguishing features of the classes being explained in succeeding lists under class headings. *Please note* that some of these novelties are offered only in started "plants," to be distributed just prior to planting time, or about June 1st.

Attraction. (*Hybrid Cactus*) Entirely distinct. Immense, formal flowers with broad petals coming abruptly to a point, color a beautiful lilac-mauve. Stems are very heavy, and

the flowers held rigidly upright. Although of delicate color, this is one of the three most striking varieties we grow; popular with both men and women. 75 cts. each; \$7.50 per dozen.

Bonny Blue. (*Decorative*) Offered by us as our own introduction four years ago. We then called it in description a genuine **blue**—which had hitherto been lacking in Dahlias,—and still claim it is the nearest approach to a regular blue yet produced. It is not washy, but a full, strong, dark, solid color; a little darker at the compact center. In form — perfect, full, round, short quilled, almost identified with the show type; profuse blooming capacity, long stems and long keeping, it is all that can be desired for a reliable cut flower, in a shade of color everybody seems to like. 25 cts. each; \$2.50 per dozen.

California Beauty. (*Hybrid Cactus*) Perfect cactus form, exceptionally free-blooming, and in every way a desirable cut flower. Its color is unblemished, burnished copper. Plants, \$1.00 each.

Camille Frachon. (*Peony Flowered*) A magnificent new French introduction, equally striking and beautiful whether in its prevailing Peony flowered type, or as a Duplex-Century, or frankly single. Tall and rugged, with an abundance of flowers averaging 6 to 7 inches. Intense, glistening, aniline red deepening to rich garnet which forms a much-rayed halo around the yellow disc. Entire flower overlaid with a silvery sheen which intensifies its coloring, giving it indescribable richness. Plants, \$1.00 each.

Delicatessen. (*Show*) The broad-mouthed quills are a luscious cream, gilded by shadows in the throat; the close center focusing a rosy pomegranate which flits sketchily over intervening tips, to a warm suffusion in the outer rows. Flowers average five inches; are substantial, tenaceous and plentiful. 75 cts. each; \$7.50 per dozen.



Attraction



Bonny Blue



Fire King

Fire King. (*Show*) The short, rather flat petals are of the decorative type but so numerous and the entire flower so thick and compact, we assign it to the show class. It is very liberal in long-stemmed bloom, which unlike many of the reds, is exceptional whenever an open center is revealed. The color is a sumptuous, velvety, ruby red; with a broad button center either darker, or rich with the effect of alternating bronze and garnet tips. Plants, 60 cts. each.

Garland. (*Decorative*) Pure deep canary yellow in flat but full-petaled flowers of large size. A free bloomer, with substantial stems presenting their burdens face up, thus ensuring full color value for the plants. 50 cts. each.

George Walters. (*Hybrid Cactus*) A tall-growing, showy, impressive sort that always seems to focus attention. Its very large, full but loosely constructed flowers are yellow overlaid with apricot and shrimp pink; and shaded—particularly at center—with stone red or carmine. Plants, \$1.00 each.



Helen Durnbaugh

Helen Durnbaugh. (*Hybrid Cactus*) At a distance seems to be a good sized, well-set white. Close up, however, an unsuspected daintiness and charm is apparent when the flattened petals of graduated lengths show their fringed tips; and the white is softened by a pervading blush intensifying to warm rose at center. A good outflower, early and continuous. 75 cts. each.

Hoffnung. (*Cactus*) Perfect cactus type but of varying fullness; its coloring a delightful "peaches and cream" effect. Salmony old rose illuminated by a golden suffusion in the center, each petal lightly tipped with same. Plants, 75 cts. each.

Hortulanus Fiet. A "giant" decorative with an abundance of broad petals, the whole symmetrical flower averaging 8 inches across. Its exquisite color distribution beggars description; but is roughly a delicate shrimp pink pointed with gold and faintly clouded with red and yellow tones. 75 cts. each; \$7.50 per dozen.



George Walters

Insulinde. (*Hybrid Decorative*) Color and flower shape ordinarily fix a Dahlia's status; but aside from real class in these respects, Insulinde shows a cutflower advantage almost unknown to the species. Its 7 to 8 inch flowers are set firmly on their long stems as horizontally as Zinnias or Chrysanthemums. Its long, wide petals are deeply undulating, the usually close center upstanding like and remindful of the Calycanthus flower. Color, golden ochre with salmon-red suffusion deepening towards center. Plants, \$2.00 each.

King of Commerce. (*Decorative*) Firm, substantial, perfect form, medium size, free-blooming, early and outlasting; a practical and popular cutflower variety. Yellow, evenly tanned; with a red swarthy center. A favorite for lamp-lit bouquets. \$1.00 each.

Lucy Fawcett. (*Fancy Show*) Large, full, heavy, with well-opened quills. Pale straw color, indefinitely dusted and splashed with tender rose to carmine. Not a new variety, but one of the most persistent of the fancy sorts, and a good bunch associate with such strong colors as Fire King, Bonny Blue or Cuban Giant. 50 cts. each; \$5.00 per dozen.

**Pink Perfection****Red Cross****DAHLIA NOVELTIES—Continued**

Mary C. Burns. (*Decorative*) Unusual, striking and distinct in its color arrangement; luminous old gold with reddish reverse. The flowers are large, true to type, very plentiful, and borne upon adequate stems. Plants, \$2.00 each.

Mignon. (*Peony Flowered*) A less sanguine form of the lovely "Attraction" whose rigid, fluted petals are, here, ultimately loosened to a soft and straight-edged reflexion; whose intense lavender pigments are here so dissipated, the center is but a creamy white. Mignon is bold, with the long stems required of the peony class. 60 cts. each.

Millie Rodgers. (*Decorative*) Bronzy old rose shading to amber, a pleasing Autumn tint. Flowers well up on good stiff stems. 75 cts. each.

Mrs. Carl Selbach. (*Decorative*) Tall growing, long stemmed, with fully nine inch flowers of perfect decorative formation. Lovely solferino pink, bleaching at center to white with just a thread of the color brightening the tips. A wonderfully attractive sort, and popular both for daytime and evening cut-flowers. Plants, \$1.50 each.

Mrs. Henry R. Wirth. (*Hybrid Cactus*) Of moderate growth but bushy, with an early and continuous out-pouring of medium sized, perfect flowers. The color is one of the brightest, evenest reds listed,—a pure, glossy cardinal. Plants, \$1.00 each.

Mrs. J. Gardner Cassatt. (*Decorative*) A very pleasing cutting type of liberal production, and strong garden appearance. Compact, four-inch flowers with tight center; all-over bright mauve pink. Plants, \$1.00 each.

Mrs. R. R. Strange. (*Decorative*) A pleasing Autumn effect in old rose, gold and copper. Flower of good size, freely produced, on long stems. Plants, 75 cts. each.

Patrick O'Mara. (*Decorative*) This new variety comes into general distribution tagged by the blue ribbons of many an exhibition, and holding the American Dahlia Society's gold medal. The numerous flowers are of

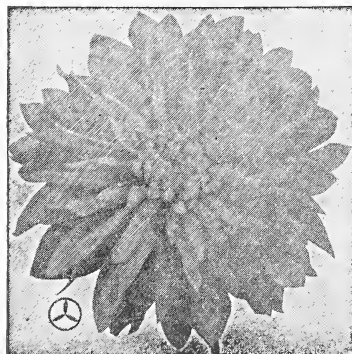
generous size, perfect in form, well supported on long stiff stems. Rich chrome yellow with salmon red suffusion. Plants, \$1.50 each.

Pink Perfection. (*Decorative*) Derived from that forerunner of the craze for modified yellows, the giant Hortulanus Fiet. With an average spread of eight inches and the same beauteous form, it needed only a readjustment of the color pigments to swing the dominant note from yellows to pink, thus creating a distinct new prize-winner. Salmon-pink toned with old rose, enlivened by a sheen of gold. Plants, \$1.50 each.

Polar Bear. (*Decorative*) Purest white, the flowers of great size and excellent form, borne very freely on good long stems. One of its strong features is the long lasting quality, either on the plant or in water. \$1.00 each.

Red Cross. Really a giant hybrid cactus, but big enough to run with the Peony flowered class. In fact, the magnificent Geisha of that section is its dominant parent. This variety is extremely robust in growth, holding its numerous immense flower heads upright, on long firm stems. The petals are more formally arranged than in Geisha, but still showing just enough of the peony-type fluffiness. The delightful color combination is old gold, flushed and capriciously streaked with a soft red. Plants, 75 cts. each; \$7.50 per dozen.

Shower of Gold. (*Decorative*) Furnishes great quantities of attractive, long-



stemmed cut-flowers of fair size; petals rather narrow and sharp pointed, somewhat recurved. Brilliant yellow enriched by an apricot stain at center. Plants, \$1.00 each.

The Madhi. (*Peony Flowered*) A good example of the class form; flowers broad, thick and wavy; growth and general appearance boldly prominent. One of those delightfully uncertain fancy sorts in which the proportions of its blood-red, cream, white and yellow coloring are juggled back and forth at caprice of the season and its changeful conditions. Plants, 60 cts. each; \$6.50 per dozen.

Yellow Cactus. This is a simple descriptive name, but to experienced Dahlia growers it is name enough,—if true in all it implies. Unlike most predecessors (whatever the name), it does not fade but is first and last a rich, solid lemon yellow; it does not shirk its duty (like some), but blooms early, much and long; it does not surrender its center at first clash with the sun (like most), but holds tight and preserves the true cactus form as long as the sturdier reds and pinks. In size, it runs seven inches or better. \$1.00 each.

GENERAL COLLECTION OF CACTUS DAHLIAS

Characterized by long, narrow, pointed, tubular and twisted petals of graded lengths, giving the layered flowers a very striking and attractive appearance.

Unless noted, 20 cts. each; \$2.00 per dozen. By express, \$15.00 per 100.

Brunhilde. A handsome violet-purple; wide, loose, recurved and somewhat twisted petals.

Countess of Lonsdale. An old and very popular variety. Longest season and freest bloom of any Cactus type; flowers very large, complete and perfect. Color exquisite blending of amber and salmon-pink.

Else. Buttercup yellow at base, passing to amber, finished with a tip of Tyrian rose.

Floradora. Early and free flowering. Rich mahogany red, even darker at center.

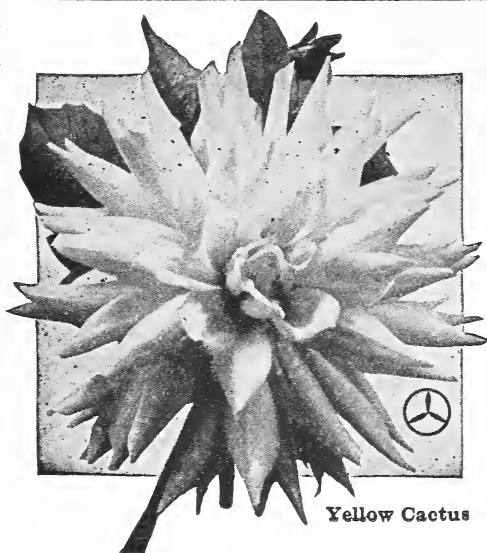
Galathea. A new Cactus of the type with broad-based petals in very formal arrangement; a very pleasing shade of soft pink. 50 cts. each.

Gina Campanini. Petals broad-based but quickly tapering, of equal length, curled and twisted. Sulphur, more or less intermingled with pale rose, bleached to white at tips; very pretty. 30 cts. each; \$3.00 per dozen.

Golden Gate. Great full flowers often 9 inches across, borne early and free; deep, rich golden yellow, shaded with fawn. A favorite evening variety.

H. Shoesmith. Numerous slender, folded rays, with high-built dark center; flowers medium to large; a cheerful scarlet. 35 cts. each; \$3.50 per dozen.

Kalif. A giant type of impressive character and brilliance. Its evenly disposed rays are broad at base with long, tubular quills; the center a compact tuft. Vivid turkey red. 50 cts. each.



Yellow Cactus

Keyne's White. Creamy white.

Kriemhilde. Graduating rose pink; the center petals ultimately changing to creamy white, giving the mature flower a captivating pink and white effect.

Lawine. A beautifully formed flower of large size; pure white, with a suggestion of blush at center.

Mlle. Marie Doucet. Outside, a charming mauve; center white. 50 cts. each; \$5.00 per dozen.

Pink Pearl. Full, perfect form, with blunt quills, slightly waved. Lilac pink with lighter tips and aureole; button center of deep rose.

Prince of Yellows. Pure saffron yellow, perfect form, and free during an opportune season.

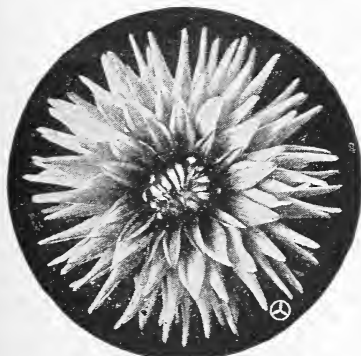
Rheingau. (Giant) Bold, erect, aggressive — its brilliant scarlet flowers are rather flat in shape, about five inches wide. 35 cts. each; \$3.50 per dozen.

Standard Bearer. Bright, pure scarlet. Flowers large, thick and full to center, of symmetrical and perfectly round form, petals semi-quilled.

Strahlen Krone. Very large and full; brilliant cardinal with purple button center and rose reflex.

Winsome. Blooms early and late, with abundant masses of large creamy white flowers.

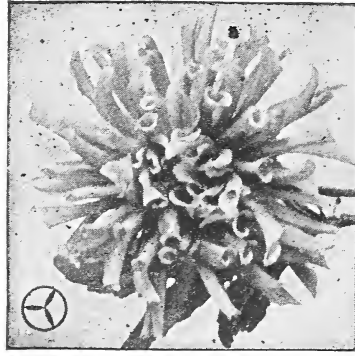
Wodan. (Giant) A massive sort, often 7 inches in diameter with long, wiggly, tubular petals; delicate salmon-rose, shading to old gold at center. 30 cts. each; \$3.00 per dozen.



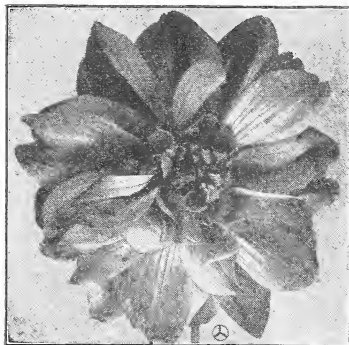
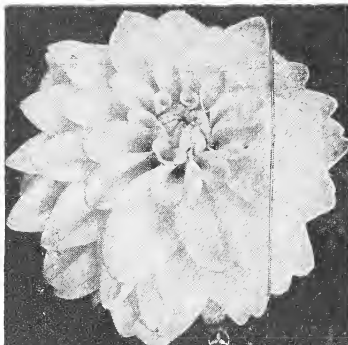
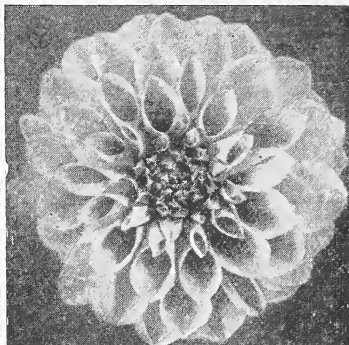
Countess of Lonsdale



Kalif



Wodan

**Mad. A. Lumier****Mont Blanc****Yellow Colosse**

DECORATIVE DAHLIAS

The flowers are usually large, full but open faced, with long, flat petals. They habitually bloom with great freedom and the individual flowers make a gorgeous display in the field besides furnishing magnificent cut flowers.

Cleveland Bronze. On the great flower markets of Cleveland, this locally originated variety has become a fixture. It is of moderate size, very formal, of great substance and uniform dependability from beginning to end of the cutting season. Color rich coppery bronze. \$1.00 each; \$9.00 per dozen.

Catherine Duer. Iridescent cherry scarlet overlaid with crimson, darker at center.

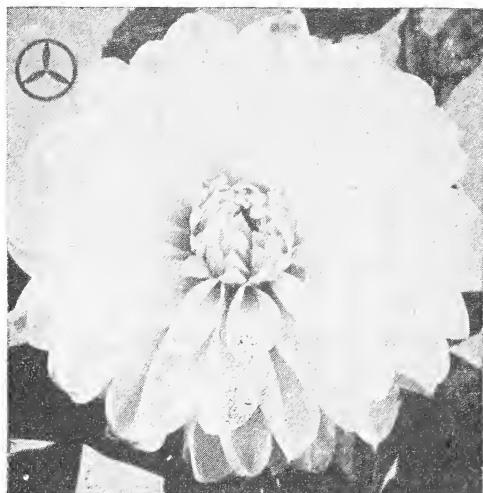
Clifford W. Bruton. Large, loose petaled, canary.

Delice. A warm tone of lilaceous pink overlaid on white, the full center shaded a deeper hue and each petal point just nicked with silver.

Diana. A good sized, long stemmed, perfect type; flowers numerous and bright; crimson. 35 cts.

Easton. A very striking and enjoyable red variety of medium size, but full, even petalage, and free-blooming habit; bright turkey-red. 35 cts. each; \$3.50 per dozen.

Eventide. A valuable cut-flower type, of large size, perfect form, and with long rigid stems. Although essentially white, there is just enough of tender rose flushing the margins of the petals to give the flower a charming air of delicacy and distinction. 50 cts. each; \$5.00 per dozen.

**Eventide**

Jack Rose. Color, rich crimson-red, with maroon shadings.

Jeanne Charmet. A most pleasing cut flower type, of formal construction and refreshing color arrangement; violet rose overspreading lighter shades. 50 cts. each; \$5.00 per dozen.

J. M. Goodrich. Goodsized, perfect flowers, unfortunately short stemmed. The coloring and expression is delightful, however, being a composition of primrose and gold, daintily patterned with rose Neyron. 35 cts. each; \$3.50 per dozen.

Le Grand Manitou. Like most "fancy" varieties, this one is also not dependable for reproducing its striking type of pure white striped and blotched violet purple; but you should worry. Its original solid color is one of the showiest, richest violet-purples in the field, well worth growing to contrast with various whites and buffs in mixed bouquets. 50 cts. each; \$5.00 per doz.

Mad. A. Lumier. Distinct and showy variegated sort, one of the freest bloomers; semi-double flowers of white, blotched with crimson toward the end of petals, extreme tips a rich violet red. 35 cts. each; \$3.50 per dozen.

Mad. Van den Dael. A charming variety suggestive of the water lily in its form, delicate coloring and the way it snuggles amidst the upper foliage. White, suffused with lavender and cream. 35 cts. each; \$3.50 per dozen.

Maid of Kent. Another "fancy" sort of loose petalage; either solid currant red, or pure white, or a pretty intermingling of both. One plant may display all three. 35 cts. each, \$3.50 per dozen.

Mina Burgle. Rich, luminous dark scarlet flowers of full, large form, strongly upheld. Unusually free and continuous bloom. Claimed by some cataloguers to be their best red Dahlia. 35 cts. each; \$3.50 per dozen.

Minos. Medium sized, compact; short quills with broad base and sharp point, uptilted; deep maroon red, almost black. 50 cts. each; \$5.00 per dozen.

Miss Minnie McCullough. Here is a dainty sort in rich copper and blood-orange tints. The flowers are liberally supplied, of good size and excellently adapted to artificial light. 35 cts. each; \$3.50 per dozen.

Mont Blanc. Very large creamy white; unusually broad, flat, petals, decidedly recurved.

Mrs. Fleers. An attractive combination of red and rose, in numerous medium sized flowers, giving a general bright lilac pink effect.

Mrs. Roosevelt. One of the daintiest of the "giant" flowered type, with broad flattish flowers which keep well; exquisite suffusion of white and shell pink. 35 cts. each; \$3.50 per dozen.

DECORATIVE DAHLIAS—Continued

Oregon Beauty.

One of the outstanding new decorative sorts which combines giant proportions; long, stiff stems and profusion of ball-shaped bloom; with a wonderful brilliancy. Its color is intense oriental red suffused with garnet; a golden sheen over all. 35 cts. each; \$3.50 per dozen.

Princess Juliana. Pure, waxy white flowers of medium size and attractive form. A prolific cut-flower.

Sylvia. Soft, pleasing mauve-pink, fading to white at center.

Thompson. Tall, dark foliage; black stems. Protruding, conspicuous bloom; effect striking. Large, full petaled, recurved; brilliant scarlet, darker toward center. 35 cts. each; \$3.50 per dozen.

Wilhelm Miller. If larger, would favor the Peony flowered type. Brilliant carmine red, passing to Tyrian rose at tips. 50 cts. each; \$5.00 per dozen.

William Agnew. Broad, ruffled, reflexed petals making a big ball of color; vermillion, shadowing richly to cardinal red.

Yellow Colosse. (Giant) Solid primrose yellow; one of the most dependable and satisfying yellow varieties in the decorative class. 35 cts. each; \$3.50 per dozen.

Unless noted, 20 cts. each; \$2.00 per dozen. By express, \$15.00 per 100.

"SHOW" DAHLIAS

This type is the most formal and perfect in shape, composed of short, stiff, numerous quills of varying character. They make excellent compact bouquets and usually outlast the other types.

A. D. Livonia. Warm rose-pink, perfect flowers, with quilled petals which nearly overlap at the ends. New kinds come and old kinds go, but Livonia can never be spared from a Dahlia list selected for popular cut flowers.

Arabella. An old favorite; primrose, tipped and shaded old-rose and lavender. Under ideal dahlia conditions where it could longer hold its center, Arabella would still be held a first-rater on account of its beautiful color, tremendous energy and gracious form.

Chas. Lanier. Perfectly formed, good sized, very prolific; rich yellow slightly tinged with copper.



Oregon Beauty

Cuban Giant. Flowers 6 to 7 inches in diameter, dark, glowing crimson shaded maroon. A tall, strong grower with projecting flower stems. 30 cts. each; \$3.00 per dozen.

"Dee-lighted" One of the very largest and best in this class, the deep quills evenly arrayed about a tight center; ivory white. 35 cts. each; \$3.50 per dozen.

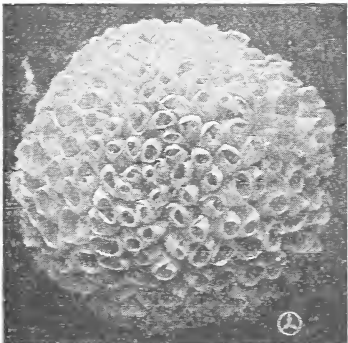
Dorothy Peacock. Large, perfect flowers of bright sea-shell pink. Blooms early, freely and continuously.

Eclipse. Flowers large and full, crimson-scarlet.

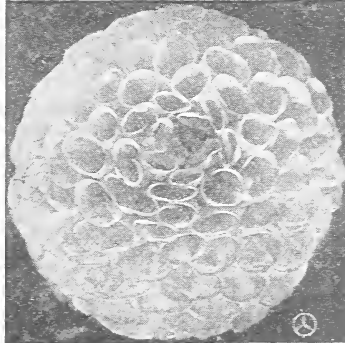
Emily. A thick flower of good size; bluish white flecked with carmine, in its first stages every edge quite strongly tinged with violet. 50 cts. each; \$5.00 per dozen.

Grand Duke Alexis. (Giant.) Very large and full, with long, thick quills overlapping at the ends. White, slightly tinged and blotched lavender. Under perfect dahlia conditions, this has been for years one of the choicest varieties. 35 cts. each; \$3.50 per dozen.

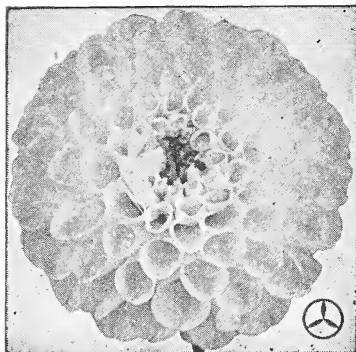
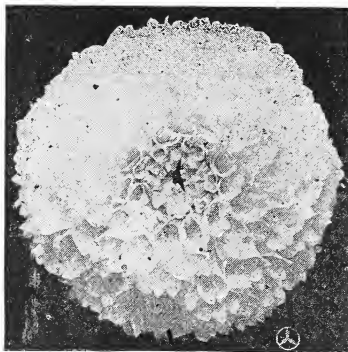
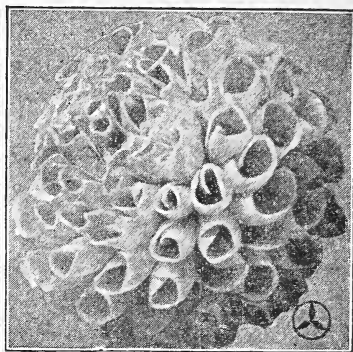
John Walker. True to type; medium size, free; pure white.



A. D. Livonia



"Dee-lighted"

**Maude Adams****White Dove****Yellow Duke****SHOW DAHLIAS**—Continued

Maude Adams. An early and very free blooming sort, on the order of Susan, but larger and less globular. Very dainty; white, with a slight lavender suffusion inclined to focus at center. 25 cts. each; \$2.50 per dozen.

Mrs. Dexter. Rather better than medium sized, free, and a good autumn cut flower. Chamois, tinged with coral which concentrates noticeably at center. 75 cts. each; \$7.50 per dozen.

Mrs. Wellesley. An old time favorite; creamy white, heavily tipped solferino and crimson. A charming bowl-bouquet subject, unmixed.

Queen of Yellows. Perfect form, solid yellow.

Red Hussar. Tall, bushy, upright; a handsome landscape variety, or for one color bouquets; its medium sized flowers gleam like rubies at pleasing intervals, above a rich setting of very dark green, crinkled foliage.

Snowball. Perfect ball shaped, color blush white.



Susan. Extraordinarily free-blooming; with large, shapely flowers long-stemmed and lasting; a very attractive mingling of rose-pink and white. One of the best for bouquets of delicate pink.

White Dove. Good sized, round and compact flowers of glistening white; each petal fringed deeply.

Yellow Duke. A free flowering long stemmed form of Grand Duke; rich primrose-yellow. 30 cts. each; \$3.00 per dozen. Unless noted, 20 cts. each; \$2.00 per dozen; \$15.00 per 100 by express.

POMPON DAHLIAS

Medium to small size, of perfect show type, invariably with long smooth stems. Especially good for small bouquets, sprays or dwarf beds.

Bobby. Deep plum.

Catherine. Rich golden yellow; perfectly double.

Little Beauty. Miniature Livonias. Little round, fully quilled balls of pure pink; make up beautifully in any design requiring a small, dainty flower.

Little Prince. Bold and striking; from richest crimson-maroon to varying striped combinations of crimson, scarlet and white.

Miss Lou Kramer. Yellow, heavily tipped light crimson, overlaid pink.

Prince Charming. Cream, heavily tipped purple.

Pure Love. Deep lilac, extra fine form and free.

Snowclad. Pure white, with lavender center.

20 cts. each; \$2.00 per dozen.



Mannheim

PEONY FLOWERED DAHLIAS

Tall growing, loose-petaled, large flowered and free blooming. One of their chief advantages over the other types lies in their big, fluffy, aggressive aspect which makes them of great value for landscape use. All varieties are long stemmed and airy graceful.

Cleopatra. Semi-double; brilliant red, splashed with yellow. 30 cts. each; \$3.00 per dozen.

Duchess of Brunswick. Broad flowers of perfect Cactus form, with long incurving quills; soft cherry red deepening at tips and center to carmine. Under side stained apricot. 35 cts. each.

Great Britain. Numerous rather narrow, pointed and slightly twisted petals form a fluffy flower of good size; clear, warm mauve. 30 cts. each; \$3.00 per dozen.

H. Hornsveld. The partly folded petals show an alternation of carmine-rose from the under side, and gilded salmon pink above. 35 cts. each; \$3.50 per dozen.

Hollandia. Dark rose. 30 cts. each; \$3.00 per dozen.

King Leopold. Creamy yellow to white. 35 cts. each.

King of Autumn. Upright, sturdy growth and the longest cutting stems of any Dahlia. The flowers measure four to six inches across, with broad even petals; usually in fully decorative type, but equally attractive when with but one, two or three rows of petals. Color is that charming combination of salmon, red and old gold so pleasing, equally in the sun, or under the lamps of night. 30 cts. each; \$3.00 per dozen.

Mannheim. Four to five inch, three-rowed flowers of the loose decorative type; cherry salmon suffused with rose, under side bright rose. The general effect of a row of nodding stems is sparkling; showing first salmon, then rose, as the wind blows. 30 cts. each; \$3.00 per dozen.

La Riante. Long, twisted petals; violet rose, weakening at center. 75 cts. each; \$7.50 per dozen.

Queen Emma. An exquisite shade of Hollyhock-pink, the inner petals banded with gold. 30 cts. each; \$3.00 per dozen.

SINGLE DAHLIAS including the CENTURYS

The Single Dahlias are exceedingly showy, when displayed against or nodding above a background of green. Used freely in large landscape effects; a blaze of color all the season.

Avalanche. Extremely fluorescent stems of any length; flowers about 3 inches. Frost white, except for a pink flush when first awakened; center prominent in deep gold. 30 cts. each; \$3.00 per doz.

Blanche. Low growing, flowers small and pointed. Primrose, turning at base but almost white with a pink edge at tips, center orange.

Mrs. Jacques Futrelle. Sent out as a peony flower, but as the plant is so short and stocky and the bloom only 3 inches wide, we are using it to enrich the list of singles.

The extra petals curl up, creating a pleasing fluffiness. Makes a vivid landscape type; mainly a fire red, but sufficiently sprinkled with flowers which are yellow dusted with red, as to maintain a riot of color throughout the season. 60 cts. each; \$6.00 per dozen.

St. George. Dwarf; small, numerous flowers of greenish yellow with darker eye.

Snow Flake. A beautiful snow white with protruding golden center; the overlapping petals gently recurved. Three inch flowers in great abundance on tall, nodding stems. 35 cts. each; \$3.50 per dozen.

Wild Fire. Growth tall and compact, with handsome foliage. Flowers round, close petaled, of fair size; intense scarlet touched at center with gold.

Unless noted, 20 cts. each; \$2.00 per dozen.

The "Century" Single Dahlias

Twentieth Century. Very tall and free, with large flowers of soft shell pink.

Fringed Pink Century. Heavily splashed and disked with lilaceous pink, the petals charmingly fringed. 35 cts. each; \$3.50 per dozen.

Rose Pink Century. Like the type in all ways except the dominant color shade is deep rose pink.

Scarlet Century. Perfectly round, three inch flowers of velvety scarlet surrounding a central tuft of bright gold.

Unless noted, 20 cts. each; \$2.00 per dozen.



Wild Fire



PARIS DAISY or "Marguerite"

The Marguerites are a delight in the garden. Potted, they carry nicely in bloom through the winter.

Etoile d'Or. Light yellow, growth dwarf and bushy.

Mrs. F. Sanders. A new, double pure white form, very attractive. Practically all flowers come with nicely filled centers, although it varies some.

Nicholson's Long-Stem White. The best for cutting on account of unusual size, and length of stem.

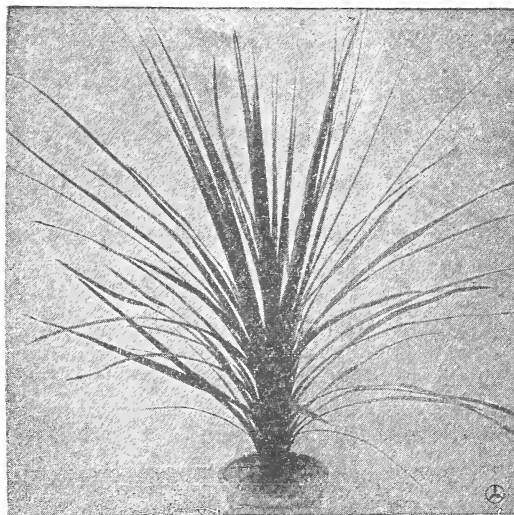
20 cts. each; \$2.00 per dozen.

DRACENAS

Fragrans. Plentiful, broad foliage of one color; lustrous, dark green. The plants are especially hardy and trustworthy for general house decoration. 4-inch pot plants, \$1.00 each; 6 inch pot plants, \$1.50 each.

Indivisa. Numerous slender, grass-like green leaves, the favorite center plant for box, vase and basket planting. 2½ inch, 20 cts.; 3 inch, 30 cts.; 4 inch, 50 cts. By express, 5 inch, \$1.00.

Lord Wolseley. A fine, full foliaged, upstanding type in which the medium wide leaves taper evenly to a sharp point. The basic color is a metallic chocolate bronze; which lights up in season to bright carmine, first at base and along the edges, then streakily inside. 4 inch pot plants \$1.00; 5 inch pot plants \$1.50 each.



Dracena Indivisa

Massangeana. Broad green leaves, striped with varying shades of yellow. 4 inch pots, \$1.50 each.

Sanderiana. An upright, stocky variety with alternating lanceolate leaves of dark green variegated with creamy stripes. 35 cts.; 3 inch pots, 60 cts.

Terminalis. Leaves rather long and pointed, deep bronze, coloring richly to crimson, marked with pink and green and occasionally streaked with white. Although like all self-coloring foliage, this variety has its dull aspects, sunshine, warmth and the evolutions of its normal seasons produce a wonderful brilliancy. By express, 75 cts. and \$1.00.

EUCHARIS AMAZONICA

"Lily of the Amazon"

A splendid plant for the conservatory, producing many choice cut-flowers during a season. Flowers are star-shaped, about four inches across, and delightfully fragrant; pure, waxy white. 50 cts. each.



"Silver Leaf" Evonymus

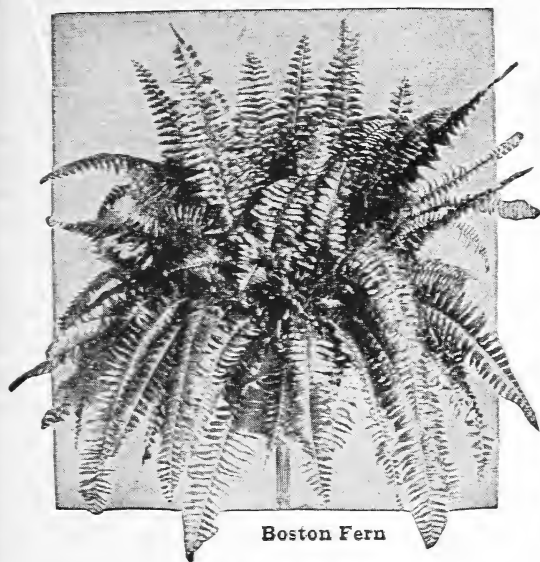
EVONYMUS

Not hardy enough for permanent out-door use, but valuable in pots for decoration.

Japonica Argentea. ("Silver-Leaf"). Foliage round and large with most of surface silvered over with creamy white. Extremely bright and attractive, of great value for contrasting. 2½ inch pots, 25 cts.; 3 inch pots—6 to 8 inches high—50 cts. By express, 4 inch pots—8 to 10 inches high—75 cts.

Japonica Aurea ("Golden Leaf"). Identical with above, except the dominant note of color is golden yellow, an unusual effect among hard foliage plants. 2½ inch pot plants, 25 cts. each; 3 inch pot plants, 50 cts. each.

Japonica Argentea Marginata. ("Silver Edge.") Of erect shrubby character and with a liberal amount of foliage. Leaves are rather thick and rubbery; bright green sharply edged with white. 4 inch pots—8 to 10 inches high—75 cts.



Boston Fern

FERNS

No foliage plant that grows presents so many varied charms, or is so practical for all general house, table, floral or window decorations as the Fern. Most varieties love the sun, and thrive to best advantage if located near the sunniest window, and occasionally turned. A dutiful attention to watering and general condition will be well repaid.

NEPHROLEPIS

Bostoniensis. (Boston Fern.) Every recent year brings forth a new-named fern; yet nearly all are derivations from this "Boston" Fern, and the parent type is still as beautiful, useful and popular as ever. Fully matured fronds attain a length of 3 to 4 feet. 2½ inch pots, 20 cts.; 4 inch pots, 50 cts.

By Express:

4 inch pots, 40 cts. each; 5 inch pots, \$1.00 each.
6 inch pots, \$1.50 each; 8 inch pots, \$2.50 each.

McCawii. A new development of Teddy, Jr., not quite so dwarf in growth, but equally compact. The pinnae are more uniformly ruffled, giving the entire plant a fluffier appearance; 2½ inch, 25 cts. By express, 5 inch pots, \$1.00. 6 inch pots, \$1.50 each.

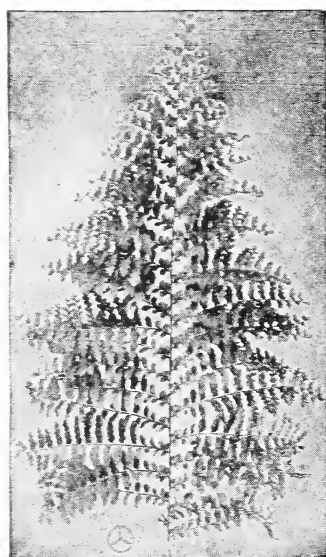
Scholzeli. (The Plumed Scott Fern.) Short bushy, compact growth combined with a delicate fluffiness of foliage. Even very small plants are models of beauty for table decoration. 2½ inch pots, 25 cts.; 4 inch pots, 75 cts. By express, 4 inch pots, 60 cts.; 5 inch pots, \$1.00.

"Teddy Jr." (Dwarf Roosevelt.) A new dwarf form of the popular Roosevelt Fern; a grand compact grower, making splendid specimens in medium size plants. 2½ inch pots, 20 cts.; 4 inch pots, 60 cts. By express, 4 inch pots, 50 cts.; 5 inch pots, \$1.00; 6 inch pots, \$1.75.

Verona. A handsome new variety of the Elegantissima type, somewhat resembling N. Whitmani, but with finer "Ostrich Plume" foliage, and with a stiffer mid-rib, which makes the fronds stand up better than most varieties of the lace-ferns. 2½ inch pots, 25 cts.; 4 inch pots, 75 cts. By express, 4 inch pots, 60 cts.; 5 inch pots, \$1.50.



Scholzeli



Verona

MISCELLANEOUS FERNS

Adiantum Cuneatum. The well-known Maiden Hair Fern, indispensable in the making up of floral pieces and winter bouquets. 2½ inch pots, 25 cts.; 4 inch pots, 50 cts.

Adiantum Glorie of Mordrecht. This new type of Maiden Hair bears leaflets of distinct shape, superlative size, and so numerous as to overlap in pleasing arrangement. 4 inch pot plants, \$1.00.

Selaginella Emiliana. (Moss Fern.) A good substitute for Asparagus or Maiden Hair, or for table and house decorating in larger sized pots. Very dwarf and compact. 20 cts. each; 3 for 50 cts.

Selaginella Denticulata. A low-growing, drooping variety, forming a ball of bright green. 20 cts. each; 3 for 50 cts.

SMALL FERNS FOR DISHES

These charming little ferns are each of distinct form, presenting various shades of green and silver variegation, especially adapted to use in table jardinieres, and indispensable for all inside "ferny" effects.

Aspidium Tsussimense. Dwarf and compact plant, short tri-pinnate leaves of the darkest green.

Cyrtomium Falcatum. (Holly Fern.) Broad, halbert-shaped leaves of waxy green; always shiny.

Pteris Adiantoides. Good sized leaves in perfect triangle shape; dark green with distinct fine veins.

Pteris Cretica Albo-Lineata. A handsome dwarf growing fern, deep green, striped white.

Pteris Magnifica. Long, wide spread leaves occasionally crested, bright green.

Pteris Mayii. Dwarf variegated sort, prettily crested.

Pteris Serrulata. All green, slim and branchy.

Pteris Victoria. Rather dwarf and compact; fronds short but broad-based with numerous pinnae, a decided silver streak down the center of each.

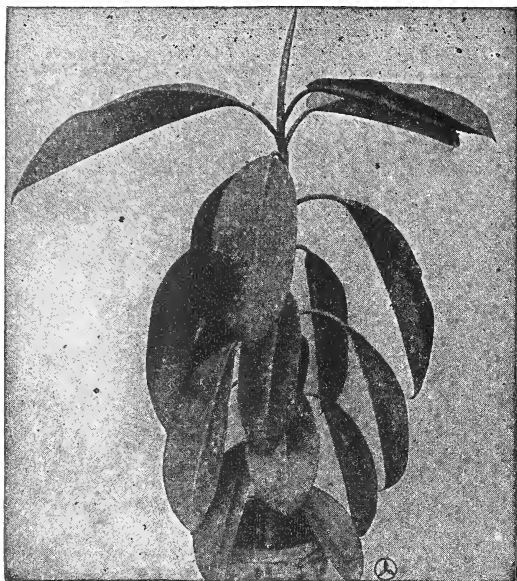
Pteris Wilsoni. One of the finest of all the dish ferns 20 cts. each; \$1.75 per dozen.

FERN DISH COLLECTION



We will mail 6 plants in 6 varieties of our choice for 55 cts.



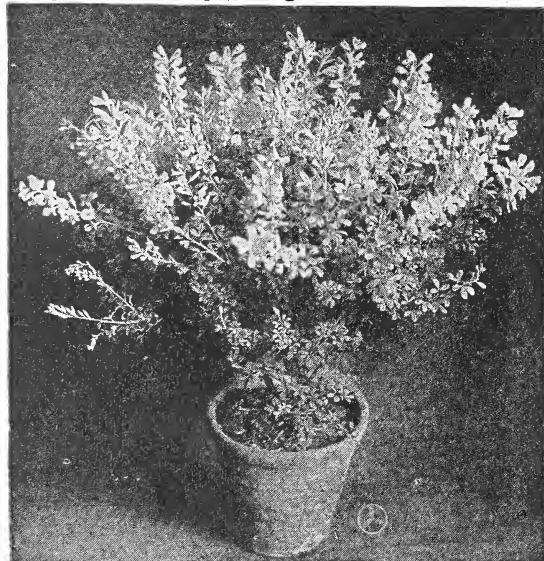
**Ficus Elastica**

FICUS—The Rubber Plants

Australis. A new type of Ficus favoring the Elastica in general form, but leaf much smaller, shinier and a deeper green; growth more branching and compact, thus making a greater amount of foliage. 4 inch pot plants, 60 cts. each. By express, 6 inch pot specimens, \$1.50.

Elastica. (India Rubber Tree.) This is the old reliable thick leaved, substantial house plant which has ever patiently served its purpose, under abuse and neglect; its dark green, shiny foliage always handsome, 75 cts. each.

Pandurata. (Majestic Rubber Plant.) The odd construction and mammoth leaves of this new decorative plant make a very striking appearance. The leaves are guitar-shaped with the larger end out, stiffly uprising from the central stalk.

**Genista Racemosa**

They are very thick and rubbery, ten inches wide by fifteen inches long; dark green, with creamy white veins, which on the underside are purple and boldly projecting. The sizes we offer are fine specimens, by express, 18 to 20 inches high, \$2.50.

Repens. Directly opposed in character to the three large leaved upright growing sorts, this variety is really a creeping or trailing vine. In the South, where it is hardy, it somewhat resembles and takes the place of our Boston Ivy; in the Northern states it is extremely useful and ornamental for covering stone or wooden conservatory walls. 2½ inch pots, 25 cts. each; \$2.50 per dozen. 4 inch pots, 50 cts. each; \$5.00 per dozen.

FUCHSIAS

Unless noted,
20 cts. each;
\$2.00 per
dozen.

**Double Fuchsia—Mrs. E. G. Hill**

Highly prized for winter blooming, also popular for summer beds in partially shaded situations and make excellent color-spots in porch boxes and baskets.

Avalanche. Golden green foliage and large double flowers with dark purple corolla.

Black Prince. Well expanded single flowers of carmine-lake; color of calyx and corolla nearly uniform.

Little Beauty. Dwarf growing. A most free-blooming variety, seldom without flowers. Sepals carmine, corolla deep lilac. Single. 25 cts. each

Lord Byron. A strikingly handsome variety, with calyx of cochineal red, and large, single corolla of deepest violet. 25 cts. each.

Mrs. E. G. Hill. Sepals bright crimson with large pure white corolla. Perfectly double and very free.

Speciosa. A thrifty grower with ornamental foliage; the green leaves showing red veins at the base. Flowers single with pale carmine sepals and deep scarlet corolla.

GENISTA RACEMOSA

Round, dense foliage. Flowers are very small, pea shaped, borne in close racemes. When in full bloom the entire plant is a solid ball of the brightest yellow, emitting a delicious lemon fragrance. Very popular for Easter decorations and will continue in bloom about four weeks. 2½ inch pot plants, 20 cts. each. By express, 5 inch pot plants, 75 cts. each.



Red Barney

GERANIUMS

Double flowered unless noted; single flowered preceded by a star (*). All from 2½ inch pots.

Abbie Schaefer. An abundant bloomer, good in any situation; soft crimson-scarlet. 20 cts.

Aiphonse Ricard. Semi-double, dwarf and branching, bright orange red.

***Beauty Poitevine.** Rosy salmon, nicely shaded and tinted from deep orange to pure salmon.

Bertha de Pressily. Absolutely the only double pure delicate pink Geranium that does not fade.

Francis Perkins. Bright rose-pink.

Helen Michell. Flowers very large, semi-double; bright orange scarlet. 20 cts.; \$2.00 per dozen.

Jean Oberle. An exquisite shade of hydrangea-pink, fading to white at the outer edges; florets and truss extremely large. 20 cts.; \$2.00 per dozen.

Jean Viaud. 2 inch semi-double flowers in trusses 12 to 15 inches in circumference. Beautiful clear, rosy pink with distinct white blotch at center.

La Favorite. Very large trusses; snow-white.

Mad. Barney. A splendid bedding variety; extremely large, double flowers of brilliant rose, unsurpassed for solid beds of deep, showy pink.

Mad. Jaulin. The lovely "Apple Blossom Geranium," in color a varying combination of peach pink and bluish white. 20 cts.; \$2.00 per dozen.

Mad. Landry. Semi-double; rich salmon shaded orange, edge of petals a brighter shade.

Mrs. George E. Buxton. An exceptionally strong grower, produces many flower trusses of largest size. Color the ever popular shade of "Bridesmaid" pink. 35 cts. each; \$3.50 per dozen.

***Mrs. E. G. Hill.** Large single flowers; bright salmon, with a light shading at center.

Mrs. Lawrence. A dwarf, compact grower equally valuable as a bedder or for winter pot-blooming; bright salmon-pink, slightly tinged white.

Red Mad. Barney. Of all red Geraniums old or new, this new

variety stands out in bold relief. It has the broad, velvety, distinct foliage and vigorous habit of Mad. Barney; likewise its full, round truss and double petalage. A clearer and more brilliant red than the crimson depths of S. A. Nutt; with more fire and blood than the familiar scarlets of the past. An incessant, extravagant bloomer, sun-resisting and long keeping, boldly erect on long stems. 20 cts. each; \$2.00 per dozen.

***Rosalda.** (Single Bruant.) Strong, robust semi-dwarf. Flowers rich crimson pink, the upper petals heavily blotched white. A good bedder. 20 cts.

S. A. Nutt. "Old as the hills," but the one variety always dependable for a constant blaze of crimson from May until snowfall.

Unless noted, 15 cts. each; \$1.50 per dozen. By express, \$10.00 per 100.

FANCY LEAVED GERANIUMS

Happy Thought. A tri-color Geranium with very dark green foliage, having a light creamy—almost white—center, with a dark band about the light zone. Single flowers, bright scarlet.

Mad. Salleroi. A very compact variety of Silver Geranium; very fine for massing or bordering. A thrifty healthy grower, rarely reaching a height of more than six inches; leaves very small, of a peculiar clear green, edged with pure white.

Mrs. Parker. Foliage deep green, broadly margined creamy white; flowers double, bright pink. 25 cts. each; \$2.50 per dozen.

Mrs. Pollock. Bronze, belted with crimson and edged golden yellow. 25 cts. each.

Prince Bismarck. Foliage yellowish green with narrow zone of deep chocolate, flowers salmon tipped white; a splendid variety.

Wm. Langguth. Foliage variegated green and white, double crimson scarlet flowers 1½ inches in diameter. Strong, upright and vigorous.

Variegated S. A. Nutt. A new introduction with liberal, healthy, remarkably beautiful variegated foliage, the green and creamy white being about evenly apportioned; of the same general form, freedom, and flower character and deep crimson color as the famous S. A. Nutt.

Unless noted, 20 cts. each; \$2.00 per dozen.

SCENTED LEAVED GERANIUMS

Two distinct varieties—**Lemon** and **Rose**. 20 cts. each; \$2.00 per dozen.



Silver Nutt

GLADIOLI

THIS CLASS of summer-flowering bulbs is doubly valuable for the brave field show of bloom, and for its generous supply of cut-flowers. Gladiolus flowers last longer when cut than most any other flowers, and develop in water to a greater perfection than if left on the plant. Any rich, light garden soil will grow Gladioli if properly worked in preparation, and exposed to the benefit of full sunlight. Bulbs should be planted from the middle of April on into May throughout the Northern States, a second planting after two or three weeks ensuring a more even succession of bloom. Set bulbs 2 to 4 inches deep and 2 inches apart in the drills, single rows 12 inches, and double rows 18 inches apart. Beds do well planted 4 to 6 inches apart each way.

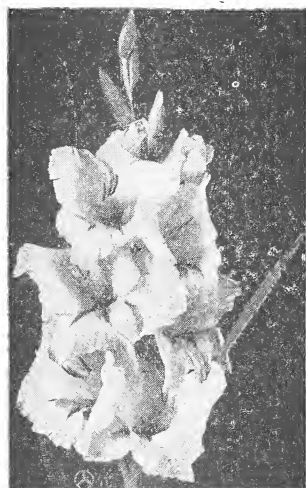
100 rate by express; for mailing, add 25 cts. per 100.

KUNDERD'S RUFFLED GLORY GLADS.

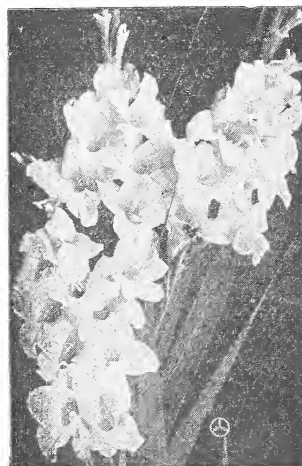
The "Glory" type of Gladioli are distinct from other forms; their originator, Mr. Kunderd, having worked not only towards large size and strong color markings, but particularly for the beautiful ruffled or fluted petals which are their distinguishing feature and introduce a wonderfully attractive new feature into the Gladiolus family.

RUFFLED GLORY SET.

One each of following
15 varieties by mail for
\$4.00; 1 dozen each by
mail for \$40.00.

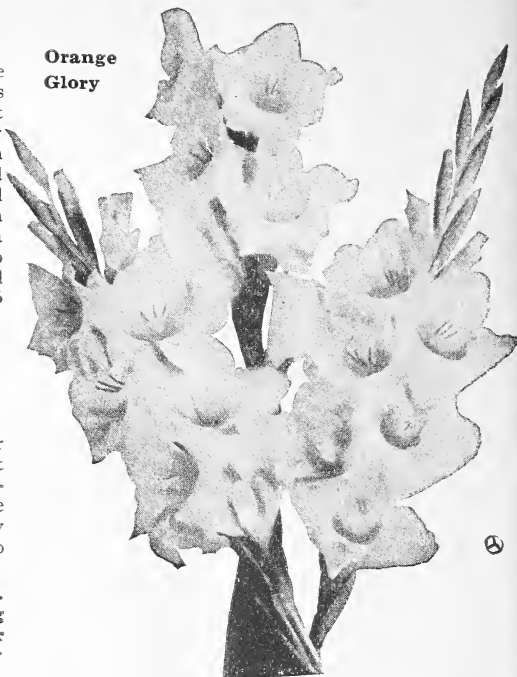


Remembrance

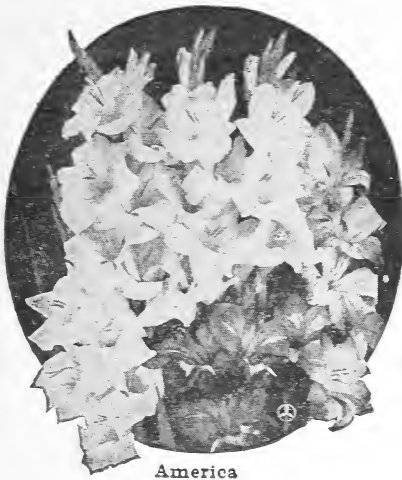


Avalon

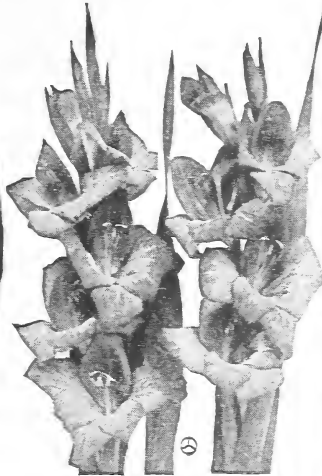
Orange
Glory



| | Each | Doz. | Per 100 |
|---|--------|---------|---------|
| American Indian. A strong featured sort and always noticeable; self-colored; rich, deep, velvety red..... | \$.25 | \$ 2.50 | \$17.50 |
| Avalon. Very large, graceful and free; bluish white with rose throat..... | .25 | 2.50 | 17.50 |
| Fairland. Good bright color with distinct markings. Vermilion, shading lighter at center; beautiful throat blotch..... | .30 | 3.00 | 22.50 |
| June Delight. The ruffling is quite pronounced and delightful. Color a strong, nearly solid geranium red..... | .25 | 2.50 | 17.50 |
| Onega. Well-set spikes of deep lavender rose, the throat conspicuously darkened with purplish red..... | .35 | 3.50 | 25.00 |
| Orange Glory. Strong orange color, slightly weakening in the throat..... | .20 | 2.00 | 14.00 |
| Pink Lily. One of the most delicately toned of all the ruffled pinks..... | .25 | 2.50 | 17.50 |
| President Menocal. A charming pattern and delicious color tones for close inspection; a strong garden feature as well. Yellow ground with pink border, the throat brightly marked, and enriched by a big red blotch..... | .20 | 2.00 | 14.00 |
| Pride of Goshen. Even the bud is deeply ruffled, and the flower opens to giant proportions. Beautiful flesh pink..... | .10 | 1.00 | 7.50 |
| Purple Glory. Largest of the class, deeply ruffled, darkly gleaming; maroon-red, its velvet richness heightened by almost black throat blotches. Stock is scarce..... | 1.00 | 10.50 | ..... |
| Remembrance. Tall spike, many large flowers open at one time. Deep salmon rose pink, throat heavily blotched..... | .20 | 2.00 | 14.00 |
| Rose Glory. A beautiful shade of rose pink deepening into the throat..... | .35 | 3.50 | 27.50 |
| Violet Beauty. Cerise overlaid with violet, distinct red throat blotches..... | .25 | 2.50 | 17.50 |
| White Glory. Pure, waxy white, with interior markings of iris-blue..... | .25 | 2.50 | 17.50 |
| Youell's Favorite. Might well be anybody's favorite; self colored lavender pink..... | .20 | 2.00 | 14.00 |



America



Halley



Peace—See page 55

General
Collection of **CHOICE NAMED GLADIOLI**

Rate per 100 by express only. Add 25 cts. per 100 if ordered by mail.

| | Each | Dozen | Per 100 |
|--|--------|--------|---------|
| America. Beautiful, soft flesh-pink, faintly tinged lavender. A magnificent cut-flower, the origin of some of our finest popular modern varieties . . . | \$.06 | \$.60 | \$ 4.00 |
| Arizona. Early, erect, good forcer. Light rose-pink, with a dark crimson blotch . . . | .15 | 1.50 | 10.00 |
| Autumn Queen. Cream yellow; upper petals suffused with peach blossom pink; lower petals striped carmine . . . | .15 | 1.50 | 10.00 |
| Baron Hulot. Rich, deep indigo blue. Besides being the only blue glad, it is really a very fine sort . . . | .10 | 1.00 | 7.50 |
| Challenger. A giant, in rich dark velvety red . . . | .20 | 2.00 | |
| Chicago White. Early white; lavender streaks in lowers . . | .10 | 1.00 | 7.50 |
| Early Sunrise. Tallest variety known—spikes 4½ feet high that do not droop, with full heads of mammoth flowers from 4 to 6 inches across. Color is bright flamy red with a faint orange coating. Very early bloom; a wonderful vase flower. | .15 | 1.50 | 10.00 |
| Edith Cavell. A recent introduction of rare beauty from Holland; pure white with small violet stripes . . . | .20 | 2.00 | 14.00 |
| E. J. Shaylor. This is one of the choice new kinds; tall and strong, with very large flowers. The color is exceptionally good, an intense, pure rose pink . . . | .25 | 2.50 | 15.00 |
| Evelyn Kirtland. Tall and stately; flowers fairly sparkling with a characteristic lustre, and joyous color tones. Rosy pink, darker at edges and dimming to shell-pink at center; brilliant scarlet blotches on lower petals . . . | .10 | 1.00 | 7.50 |
| Flora. In color an improved Schwaben, clear canary-yellow with no markings. Its flower shape and habit resemble America, but the heads are larger even than Schwaben; early, and long-stemmed . . . | .15 | 1.50 | 10.00 |
| Governor Hanley. Early, tall showy; one of the very best self colored varieties; brilliant cardinal red . . . | .15 | 1.50 | 10.00 |
| Gretchen Zang. Soft, melting pink merging into scarlet on lower petals . . . | .15 | 1.50 | 10.00 |
| Halley. Delicate salmon-pink, slightly roseate, the lower petals showing a creamy blotch bisected by a red stripe. One of the earliest to bloom . . . | .08 | .75 | 5.00 |
| Helen Franklyn. An exquisite new sort with large and numerous flowers, the lower petals deeply ruffled. Pure white, with violet stripes . . . | .20 | 2.00 | 14.00 |
| Herada. Pure mauve, with deeper shadings in throat and on lower petals . . . | .15 | 1.50 | 10.00 |
| Ida Van. Flaming orange pink; a fine new sort . . . | .15 | 1.50 | 10.00 |
| Le Marechal Foch. One of the earliest, contemporary with Halley and Wilbrink, with flowers twice the size of America; a beautiful shade of light pink . . . | .15 | 1.50 | 10.00 |
| Lily White. A fine pure white; early, large and free . . . | .15 | 1.50 | 10.00 |
| L'Immaculee. Long, full spikes, durable; pure white . . . | .55 | 5.50 | 35.00 |



Mrs. F. Pendleton, Jr.



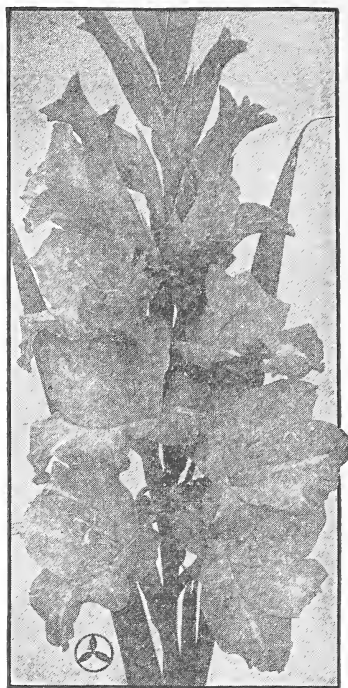
Mrs. Watt—P. 55



Evelyn Kirtland—P. 87



L'Immaculee—P. 87



Rose 1910

CHOICE NAMED GLADIOLI—Cont'd

Louise. Distinct and showy, often used by florists in substitution for the larger orchids. A beautiful orchid shade of lavender, with an enriching blotch of velvet red towards center.....

Lustre. Tall; dark vermilion-crimson. A fine flower and even better red color than War.....

Mary Fennell. One of the patricians of the garden. Beautiful light lavender flower, lower petals primrose yellow, with pencilings of lavender....

Mary Pickford. Delicate creamy white, even the sheath being white. Good cutting stems, easy forcer; a splendid bouquet type.....

Mrs. Doctor Norton. Immense flower, creamy white overlaid or tinted soft pink, end of petals showing a charming picotee of deeper pink.....

Mrs. Francis King. Popular, dependable, bright scarlet.....

Mrs. Frank Pendleton, Jr. Flowers very large, well-expanded, lovely flushed salmon pink; blood-red blotches in throat. Showy and dependable.

Mrs. W. E. Freyer. A splendid new red; tall growing, with fine large, well opened flowers. Scarlet.

Mrs. O. W. Halliday. Delicate pink with yellow throat.....

Mrs. Watt. The color is a rich, velvety wine color unmixed with any other shade; very emphatic....

Panama. More deeply pink than America, and larger.....

Peace. A robust grower, reaching 5 feet; pure white with faint lilac markings on lower petals..

Pink Perfection. Dainty apple blossom pink....

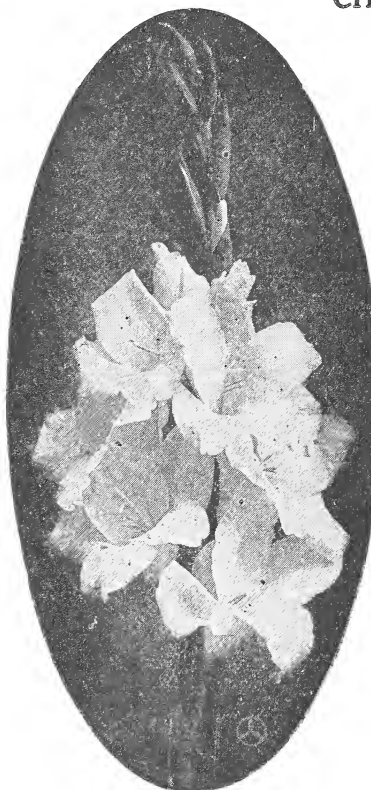
Rose 1910. Extra large flowers, a very fine shade of rose-pink; lower petals lined through center with white.....

Rouge Torch. Spectacular; clear white, with a flaming carmine torch in the throat.....

Sentinel. Tall, strong plant, large flowers; pure rose pink with elegant white penciling.....

| | Each | Dozen | Per 100 |
|-------------------------------|--------|--------|---------|
| Louise..... | \$0.20 | \$2.00 | \$14.00 |
| Lustre..... | .25 | 2.50 | 18.00 |
| Mary Fennell..... | .15 | 1.50 | 10.00 |
| Mary Pickford..... | .20 | 2.00 | 14.00 |
| Mrs. Doctor Norton..... | .20 | 2.00 | 14.00 |
| Mrs. Francis King..... | .06 | .60 | 4.00 |
| Mrs. Frank Pendleton, Jr..... | .08 | .75 | 5.00 |
| Mrs. W. E. Freyer..... | .20 | 2.00 | 14.00 |
| Mrs. O. W. Halliday..... | .20 | 2.00 | 14.00 |
| Mrs. Watt..... | .10 | 1.00 | 7.50 |
| Panama..... | .10 | 1.00 | 7.50 |
| Peace..... | .08 | .75 | 5.00 |
| Pink Perfection..... | .15 | 1.50 | 10.00 |
| Rose 1910..... | .20 | 2.00 | 14.00 |
| Rouge Torch..... | .15 | 1.50 | 10.00 |
| Sentinel..... | .25 | 2.50 | 18.00 |

100 rate by express. If ordered by mail, add 25 cts. per 100.



Mary Pickford

Schwaben. Pure canary yellow shaded sulphur, the golden yellow throat slightly blotched with dull carmine. Flower spikes are tall and strong, numerous and well set with broad flowers.....

Summer Beauty. Clear salmon pink flowers well set in long spikes; a very fine cut-flower.....

White City. Late; very beautiful pure white.....

Wilbrink. A handsome light pink; very early.....

Yellow Bird. A pleasing shade of yellow, penciled dark wine color on lower petals.....

| Each | Dozen | Per 100 |
|--------|--------|---------|
| \$0.10 | \$1.00 | \$ 7.50 |
| .15 | 1.50 | 10.00 |
| .35 | 3.50 | 27.50 |
| .10 | 1.00 | 7.50 |
| .25 | 2.50 | 18.00 |

PRIMULINUS HYBRIDS

The "Butterfly" Gladioli

A new small-flowered type, free, continuous bloomers; running strong to orange, tan and other butterfly shades.

Ada. Dainty white, blotched in blood-red.....

Adorable. Blooms very early on long spikes; bluish white, daintily mottled with peach pink and cream.....

Aurora. Colored like autumn maple leaves.....

Glorious. Very early, tall and extra large flowered. Shell pink with faint undertone in yellow.....

Leander. Dull lead blue; only blue in this class.....

Lord Nelson. A tall grower, with heavy spikes habitually showing 7 to 8 open flowers; pink.....

Maidens Blush. Enchantress pink; earliest of all.....

Orange Brilliant. Uncrowded, brilliant orange.....

Queen Victoria. Outer petals glittering bright pink; throat silvery rose.....

Violet Queen. Clear violet with just a few touches of claret; the early flowers extra large and strong.....

"BUTTERFLY MIXTURE." A splendid mixture of colors in the older named varieties.....

By mail..... .60 4.00

By express..... .50 3.50



Schwaben

S.&H. "OLD GLORY" MIXTURE

Of Large Flowered Gladioli

Made up of named varieties having no business in a "Mixture." Its complement and distribution are our little trade secret, entirely our own, in which we take a justifiable pride.

By mail, 70 cts. per dozen; \$5.00 per 100.

By express, 60 cts. per dozen; \$4.50 per 100; \$40.00 per 1000.

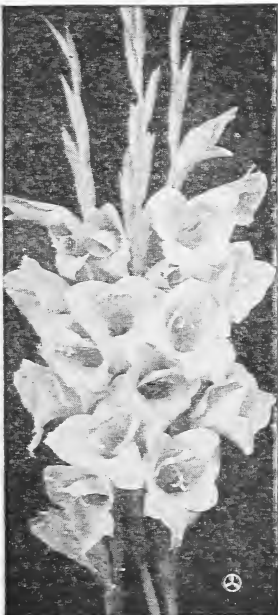
"STANDARD" MIXTURE

Of Large Flowered Gladioli

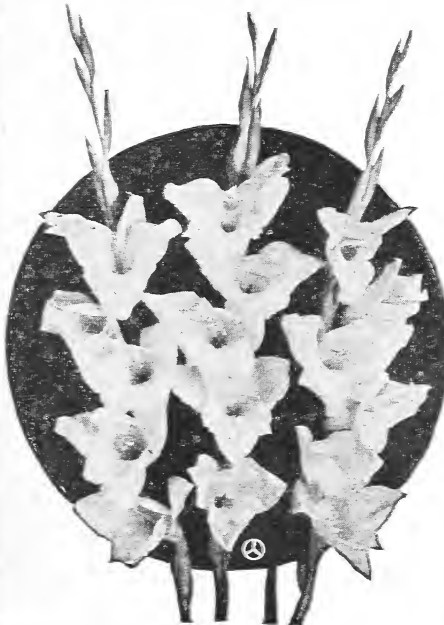
This is a fine mixture of average standard sorts, not so choice as the kinds going into "Old Glory," but far from being the "commonest" of the cheaper mixtures.

By mail, 50 cts. per dozen; \$3.50 per 100.

By express, 35 cts. per dozen; \$2.50 per 100; \$22.00 per 1000.



Lord Nelson



Glorious



Violet Queen

GYNURA PURPUREA

(Velvet Plant)

A little known but intensely enjoyable house foliage plant, at its best in the warm air of the conservatory.

The leaves are broadly ovate with serrated edges, attached at varying angles to a heavily bristled thick stalk. A fine but dense and all-pervading down covers entire surface of the plant, most prominently along the margin, veins and stems, giving it the texture and appearance of thick velvet.

Its most remarkable beauty, however, lies in the iridescence of its color. Looking straight down upon any flattened surface, the color is deep green quickened by a silver lustre. But viewed at right angles, the entire plant glows as a royal purple.

The intermediate angles,—or the usual aspect of the plant with its curves and various branchings,—thus greet the eye with a rich and changing combination of the two, unmatched for novelty and interest by any other plant. 30 cts. each; \$3.00 per dozen.

HELIOTROPE

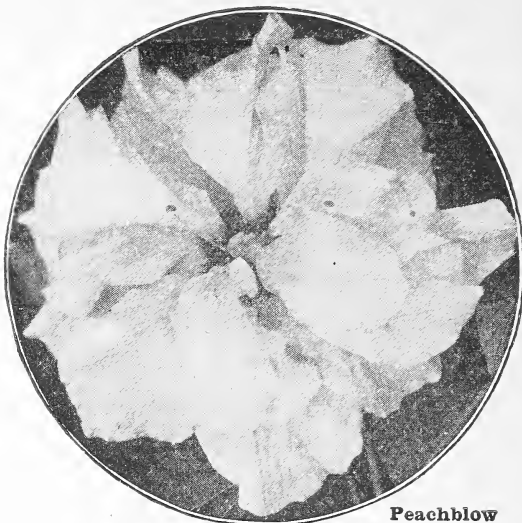
This altogether delightful old plant has ever been a great favorite among those who enjoy and appreciate garden perfumes, and flowers of dainty type.

Centefleur. A very striking variety entirely distinct from all others; dwarf growing with fine, neat foliage. Flowers are deliciously fragrant, florets wide and flat, color deep true heliotrope, with conspicuous white eye. Sprays are of the largest size, completely covering the plant. 20 cts. each; \$2.00 per dozen.

Florence Nightingale. Bright lavender; an old sort, but the best and most popular.

Snow Wreath. Blooms in large trusses of clean white flowers. This has perhaps the sweetest perfume of any, and mixes prettily with the blues.

Unless noted, 15 cts. each; \$1.50 per dozen.



Peachblow

HIBISCUS SINENSIS

Strong growing tropical plants with handsome glossy foliage and large, brilliant, showy flowers. In a warm sunny window they make fine decorative plants and bloom profusely. In open ground during summer they make a gorgeous display with bright colored flowers.

Aurantiaca. Large, double orange colored flowers; very novel and attractive. 25 cts.

Mineatus Semi-Plenus. Half double, prettily ruffled flowers; light vermilion-scarlet. 20 cts. each.

Peachblow. Flowers double; of a rich shade of clear pink, with small, deep crimson center; most beautiful shading; four to five inches in diameter. Blooms freely even on small plants. 25 cts.; \$2.50 per dozen.

Sub-Violaceous. Peachblow type; with large double flowers of light crimson. 25 cts.

HYDRANGEA HORTENSIS

Not hardy in the Northern states, and should be brought into the house before freezing fall weather. A cool, light cellar location is preferable with occasional watering, but keep them dormant even if a cooler temperature is found necessary. Early in spring bring up and apply water liberally. When in full bloom, keep slightly shaded to lengthen the blooming period. A soil composition of turfy loam and one-third rotted cow manure is best for potting.

Otaska. The old favorite used in pots at Easter time, and for lawn decoration in summer. 20 cts. 4 inch pot plants 50 cts. each; 5 inch pot plants, 75 cts. each.

Ramis Pietis. (Red Branched.) A distinct variety both in foliage and flowers. Flowers are deep rose color, in immense trusses; branches are dark red, becoming brighter as they near the flower truss. 20 cts.

NEW DOUBLE FLOWERING HYDRANGEA

Domotoi. Although of quite recent introduction, this fine new variety has proven itself as thrifty and dependable as Otaska. Earned a quick acceptance by the public on account of its beauty. Each floret is double, increasing the expanse of waxy white and breaking up the usual smooth surface of the truss with delightful convolutions and the beautifying play of lights and shadows. 2½ inch pots, 30 cts. each; \$3.00 per dozen. 4 inch pots, 75 cts. each; \$8.00 per dozen.

NEW FRENCH HYDRANGEAS



New sorts improved by the French growers and an acceptable addition to our list of first class house plants, their massive bloom outlasting most everything else. These plants will be practically dormant when shipped, but will soon respond to sunlight and plenty of water.

Baby Bimbenet. Very dwarf, early and free; distinct from others in that each and every shoot produces flowers. Large, compact trusses of silvery rose. 25 cts. each. 4 inch pot plants, 50 cts. 5 inch pot plants by express, 75 cts.

Lillie Mouillere. Beautiful carmine rose. 25 cts. each.

Mad. Emile Mouillere. One of the very best; with immense trusses of florets frequently over two inches in diameter. Pure white, with rosy carmine eye.

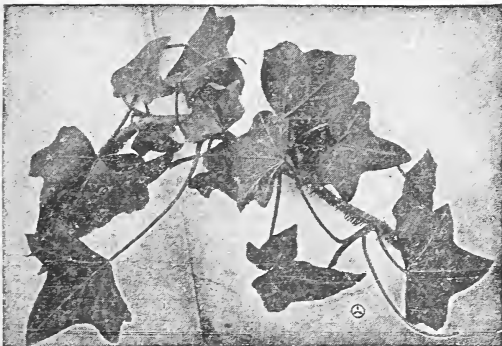
Mad. Legou. Large, creamy white. 25 cts. each. 5 inch pot plants, by express, 75 cts.

Mad. Maurice Hamar. A pleasing shade of delicate flesh-pink.

Mile. Renee Gaillard. Beautifully fringed petals in full panicles of creamy white.

Souv. de Mad. Chautard. Shapely plants of robust habit, bearing medium size, but extremely pretty flowers of bright rose. 25 cts. each. 5 inch pot plants, by express, 75 cts.

Trophee. Vigorous growth, great freedom of bloom. This is the darkest carmine red of any variety. 25 cts. each.



English Ivy

Vicomtesse de Vibraye. A favorite early forcing sort, bright rose, changing to blue.

UNLESS NOTED

By mail, 2½ inch pot plants, 20 cts. each.

IMPATIENS SULTANA HYBRIDS

One of the prettiest and most satisfactory house plants for winter blooming as well as a charming feature of the summer garden. These plants commence blooming when very small, are seldom out of bloom, and when at their best display a profusion of flat, single flowers, ranging from intense carmine-rose to white; against a rounded background of glossy green leaves. In separate colors, **Red, Pink, White, or Mixed.** 20 cts. each; \$2.00 per dozen.

IPOMEA

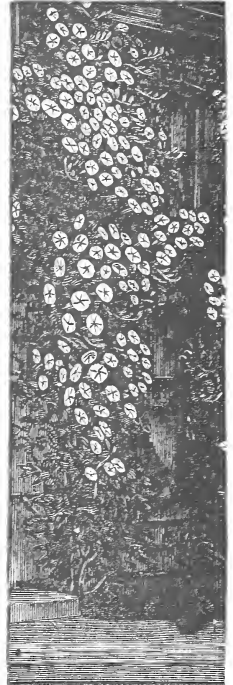
(Moon Flowers)

One of the most popular summer vines. The foliage is graceful and serviceable, and the vine a rapid climber attaining a length of 40 feet in a season. The flowers are borne abundantly throughout a long season, opening at sundown, emitting a rich Jessamine odor at night, and closing about noon next day.

Grandiflora. Satiny white flowers, five to six inches in diameter. 20 cts. each; \$2.00 per dozen.

PARLOR IVY

Senecio Mikanioides. In former years has gone by the common name of "German Ivy." It derives its common name "Parlor Ivy" by reason of being used with striking effect to decorate interior walls, hanging baskets and urns. The foliage is a pretty, light bronze green with five to seven points; occasional yellow flowers in small terminal clusters. 15 cts.; \$1.50 per dozen.



Moon Flowers

ENGLISH IVY

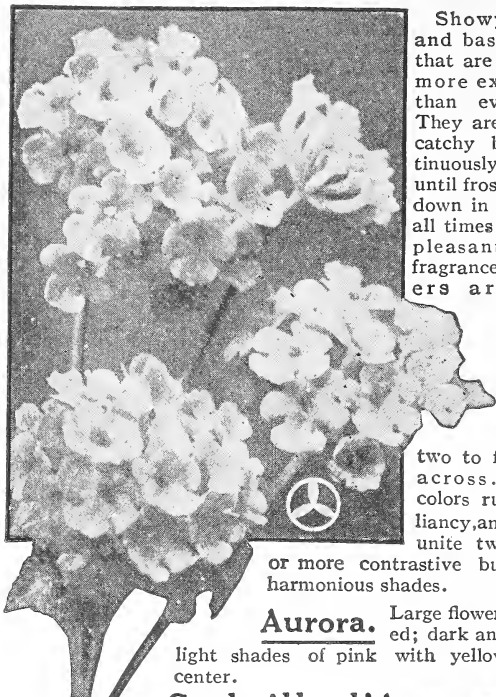
Hedera Helix. Foliage is rich waxy green with prominent lighter veins and is very attractive when trained against harmonious paper or woodwork. If planted outdoors, the vines must be taken down and carefully covered for winter, in this northern latitude. We have come to depend largely upon this rich vine to mingle with Asparagus and Vinca Major for the trailing effects in our summer porch boxes; and their character urges general use in urns and at base of cemetery monuments, where care is assured. 2½ inch pots, 20 cts.; \$1.85 per dozen. 4 inch pots, tops 2 feet long, 35 cts.; by express, \$3.50 per dozen.

JASMINE

Cape Jessamine. (Gardenia Florida.) A beautiful evergreen shrub 2 to 4 feet high, with small, solitary, star-shaped flowers of delightful fragrance; very popular in Southern gardens. Not hardy north of the Ohio river, but of value as a house or conservatory plant. 30 cts.; \$3.00 per dozen.

Nudiflorum. A winter blooming shrubby vine, quite twiggy, with small leaves and solitary yellow flowers 25 cts. each; \$2.50 per dozen.

LANTANAS



Showy bedding and basket plants that are being used more extensively than ever before. They are in bright, catchy bloom continuously from spring until frost cuts them down in the fall; at all times emitting a pleasant, pungent fragrance. The flowers are small, bright eyed cups, set quite closely together in rounded umbels two to four inches across. Their colors run to brill-

liancy, and unite two or more contrastive but harmonious shades.

Aurora. Large flowered; dark and light shades of pink with yellow center.

Corbeille d'Argent.

A free blooming pure white variety, dwarf and compact.

Countess de Biencourt. Brilliant rose-pink surrounding a center of creamy yellow.

Craigi. Dark, cardinal-red velvet, its center studded with gold; extremely florescent.

Harkett's Perfection. Golden variegated foliage; flowers yellow and pink.

Iolande. An especially good dwarf variety; a showy commingling of crimson, orange and yellow.

Jacob Schultz. Rich, velvety crimson-wine; with a varying center of blood-orange. This is the darkest and showiest sort, and is a strong grower. 20 cts. each; \$2.00 per dozen. By express, \$14.00 per 100.

Juan d'Or. Light sulphur, gradually receding in favor of deep rose pink.

La Pluve d'Or. ("Shower of Gold.") Dwarf stocky growth; resplendent all summer with masses of golden-yellow cymes. 20 cts. each; \$2.00 per dozen.

Michael Schmidt. A bold, brilliant fire-red; its few yellow florets at center heightening the flame effect.

Protel. A dainty intermingling of cream and lilac-rose.

Viator. Sulphur yellow, tinged and slightly edged with varying pink tones.

Weeping Lantana. A fine plant for winter flowering in pots or small hanging baskets. Flowers delicate rose lilac in compact umbels, borne freely all over the plant from the base of each leaf stalk.

Unless noted, 15 cts. each; \$1.50 per dozen. By express, \$10.00 per 100.



LEMON PONDEROSA

A fragrant breath of the South translated into Northern homes. The dark, glossy foliage winters well and is always verdant, the attractive flowers of pure white with yellow stamens are refreshing in their waxen beauty and subtle perfume, while their crowning glory is the fruit. Five or six times as large as the ordinary Lemon of commerce; of perfect shape and even ripening; the combination of flower, fragrance, fruit and tree-like growth makes it one of the grandest and most satisfactory window and porch decorative plants in existence. By mail, 25 cts. each; \$2.50 per dozen. By express, 5 inch pots, 15 to 18 inches high, \$1.50; 6 inch pots, 24 to 30 inches high, \$2.50.

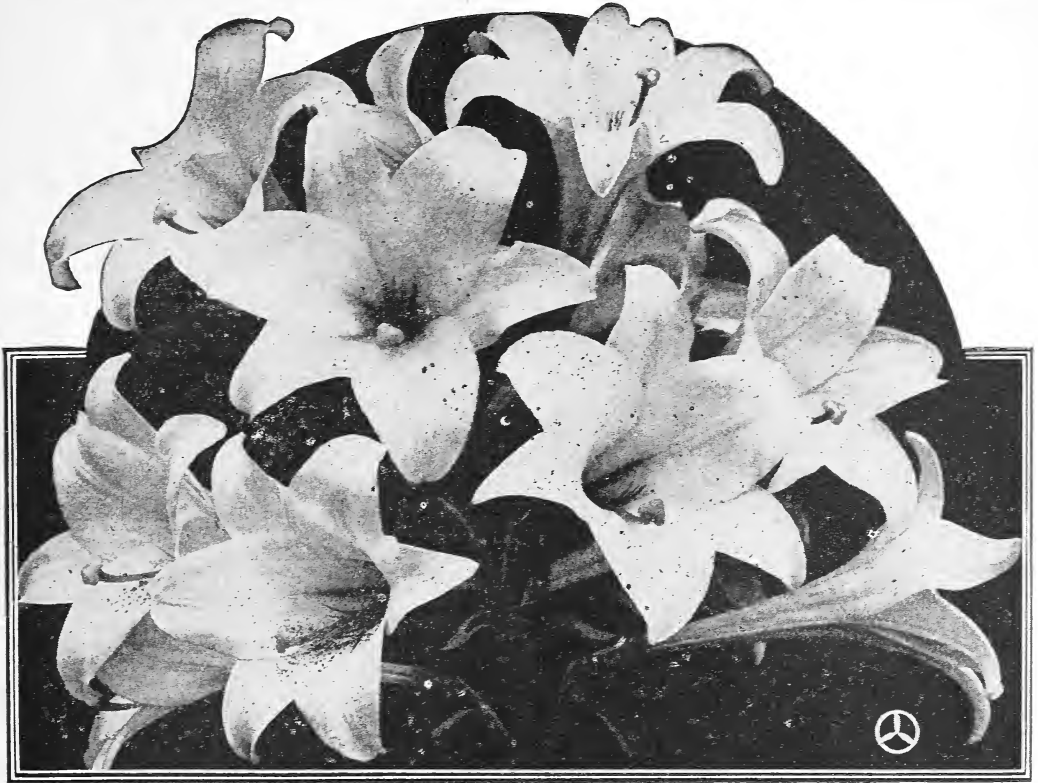
LILY OF THE VALLEY



The Lily of the Valley will thrive and throw up its beautiful, modest, fragrant white bells in any kind of soil. It will make a carpet of refreshing green, daintily patterned by its pervading flower sprays, in the shady and cold spaces otherwise lost to ornamentation around every house.

Large Pips. 50 cts. per dozen; \$3.50 per 100; \$30.00 per 1000.

THE DAWN OF A NEW ERA IN LILY CULTURE



The New Regal Lily

will almost entirely supplant the older types of white forcing and garden lilies, within a very few years. The flowers are white, slightly suffused with pink; with a beautiful glow of canary yellow at center, which continues part way up the trumpet. Its perfume is exquisite; not oppressively heavy like some types, but with the sweet refreshment of the Jasmine. In the garden, it should bloom early in July, continuing its glorious display well into August.

Lilium Regale or *Myriophyllum*. Just yesterday a novelty, but now hailed as an epochal discovery, and permanent fixture. Of rare production and wondrous beauty, achieved through the adventurous research and resourcefulness of one of our greatest plant collectors, who recently brought the original bulbs from the wilds of Northwestern China. Experiments have proven this new Lily to be harder than most kinds; so it is reasonable to expect that the glorious bloom which forces so easily for Easter time, will be as easily available to the amateur for its delightful unfolding within his own home. In fact, its already wide distribution among growers, both amateur and professional, has convinced them of its superiority over other kinds. Many growers predict that Regal Lily

| PRICE (100 rate by Express) | Each | Doz. | 100 |
|-----------------------------|--------|--------|---------|
| X | | | |
| 1st Size Blooming Bulb | \$.50 | \$5.00 | \$40.00 |
| XX | | | |
| 3 Year Large Bulb | .75 | 7.50 | 50.00 |
| XXX | | | |
| Extra Large Specimen | 1.00 | 10.00 | 75.00 |

**Lilium Longiflorum**

LILIES

Stateliest and most aristocratic of all garden plants. Being hardy, the list of Lilies ordinarily run with the other hardy perennials; but being supplied as bulbs, they might be overlooked if not offered near-by the other Spring bulbs—such as Dahlias, Gladioli, etc. No garden could be complete without some representation from this noble family.

GENERAL COLLECTION

Auratum. (Gold Banded Japan Lily.) This variety has ever been a great favorite. The flower heads are large, with broad petals gracefully recurved. White, thickly studded crimson-maroon, with a wide gold band down the center of each petal. Improves with age, and produces a vast amount of bloom. 35 cts. each; \$3.50 per dozen. Extra large, 50 cts. each; \$5.00 per dozen.

**Lilium Speciosum
Rubrum**

**Gold Banded Lily—Auratum**

Batemanni. (Turk's Cap.) A strong, handsome type. Grows 3 to 4 feet tall, with from five to ten flowers in July-August. Color reddish orange, stained apricot. 30 cts. each; \$3.00 per dozen.

Elegans Mixed. A thrifty, hardy and easily handled class which is quite liberal in production of 4 to 6 inch terminal flowers, on stems 1½ feet high clothed full length with shiny, narrow leaves. The dominant color is orange red, but our mixture shows considerable variety as to shades and spotting. 25 cts. each; \$2.50 per dozen.

Henryi. (Yellow Speciosum.) One of the finest hardy Lilies, of strong, vigorous growth, with flower stalks 3 to 5 feet long; deep apricot-yellow, lightly spotted brown. 50 cts. each; \$5.00 per dozen.

Longiflorum Giganteum. One of the most reliable and fragrant garden Lilies, bearing its snow-white trumpets during June and July, in great abundance. As a forcer, it rivals the Bermuda Lily, showing greater substance, and lasting longer. 30 cts. each; \$3.00 per dozen. Extra large, 50 cts. each; \$5.00 per dozen.

The New Regal Lily. See page 93.

Speciosum Album. Pure white with a green-band traversing the center of each petal. 30 cts. each; \$3.00 per dozen; \$22.50 per 100, by express.

Speciosum Rubrum. This is one of the joys of August; ruby spots distributed over a broad expanse of white. 30 cts. each; \$3.00 per dozen; \$22.50 per 100, by express.

Superbum. Runs from 3 to 6 feet in height, its nodding crests adding to the general brilliance of July, with from five to forty handsome orange-red blooms. 20 cts. each; \$2.00 per dozen; \$15.00 per 100, by express.

Tigrinum Splendens. The dear old single "Tiger Lily." 20 cts. each; \$2.00 per dozen.

Tigrinum fl. pl. (Double Tiger Lily.) Full, fluffy, double flowers; bright orange scarlet spotted black. 20 cts. each; \$2.00 per dozen.

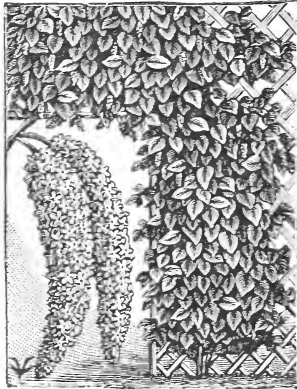
Umbellatum Grandiflorum. Tall growing, upright, beautiful bell-shaped flowers of coppery orange, sometimes slightly spotted. 25 cts. each; \$2.50 per dozen.



MANETTIA VINE

MANETTIA VINE

A free and continuous bloomer, completely filled at all times with small tubular flowers of brilliant scarlet, shading into yellow at tips. Especially desirable for baskets, vases or small trellises, and much in use simply as pot plants on account of their fiery bloom. 20 cts. each; \$2.00 per dozen.



Madeira Vine

MARANTA MASANGEANA



An old foliage plant coming back into popularity. Dwarf growing; with light green foliage, distinctly mottled with heavy maroon spots. Used extensively in filling large Fern dishes; foliage always bright, and attractive. Makes a very pretty effect when used with other plainer-leaved plants in plant decoration groups. 20 cts. each; \$2.00 per dozen.

MADEIRA VINE

A beautiful rapid growing vine with dense foliage, fleshy, heart-shaped, light green. It is often spoken of as "Mignonette Vine" on account of the numerous feathery racemes of white flowers, which are pleasantly fragrant. Grows well anywhere, but succeeds best if planted in rich soil, in sunny, well sheltered location. Ordinarily hardy North if well protected by litter during the winter. Strong tubers. 15 cts. each, \$1.50 per dozen.



OTAHITE

ORANGE

Firm, rounded, shiny, green foliage always attractive, the creamy white flowers are of charming form, usually in small groups, and exquisitely scented. A grand plant for winter culture; scarcely ever without some display of fragrant blossoms or fruit. Fruit about half the size of ordinary oranges. 25 cts. each. Fine plants from 5 inch pots, 12 to 15 inches high, by express, \$1.00.

PANSY PLANTS



Superb Giant Pansy

Nice thrifty started plants propagated from our Superb Giant Pansy seed. Colors and markings are widely varied, and represent the largest flowered strain in cultivation. Get a hundred started plants—they are already in bloom and will keep your vases full all summer. 50 cts. per dozen; \$3.50 per 100. By express \$3.00 per 100; \$27.00 per 1000.



PALMS



Watering the soil not oftener than three times, nor less than once a week, and sponging the leaves frequently with tepid water, will normally preserve health and discourage the accumulation of unsightly dust or marauding insects. Our list of varieties is a practical selection, only those types being used which can stand the hard usage to which house plants are normally subjected. *Height given means from top of pot.*



**Kentia
Balmoreana**

Cocos Wedelliana. A dainty, thread-leaved little Palm showing a vast dissimilarity to the stately Kentias. The Cocos—which rarely exceeds ten to twelve inches in height—has a usefulness all its own. There is nothing better for the center piece to a table jardiniere, or fern dish of any kind. 25 cts.; \$2.50 per dozen.

Kentia Balmoreana. Gracefully arching stems of steely strength despite their slenderness, each crowned with its fan-like canopy of richest green. The breaking forth of each new leaf is a ceremony; its slow advance to an equality with its fellows, a triumphal progress. Leaf by leaf, our pride and interest keep pace with its maturing beauty. 2½ inch pot plants, 25 cts.; 3 inch pot plants, 10 in. high, 50 cts.

By Express: 4 inch pots, 12 to 15 inches high, \$1.00; 5 inch pots, 15 to 20 inches high, \$2.50.

Kentia Forsteriana. Of the same type and qualities as Balmoreana, equally desirable; the main difference being this variety grows taller, and has somewhat broader, heavier leaves. 2½ inch pot, 25 cts.; 3 inch pots, 10 inches high, 50 cts.

By Express: 4 inch pots, 15 to 18 inches high, \$1.00. 5 inch pots, 18 to 24 inches high, \$2.50.

Phoenix Roebelenii. A very graceful, dainty Palm as light and feathery as a Cocos, but as hardy as a Kentia. 2½ inch pot plants, 35 cts. each, \$3.50 per dozen. **By Express:** 4 inch pot plants, 8 to 10 inches high, \$1.25; 5 inch pot plants, 12 inches high, \$1.50 each.

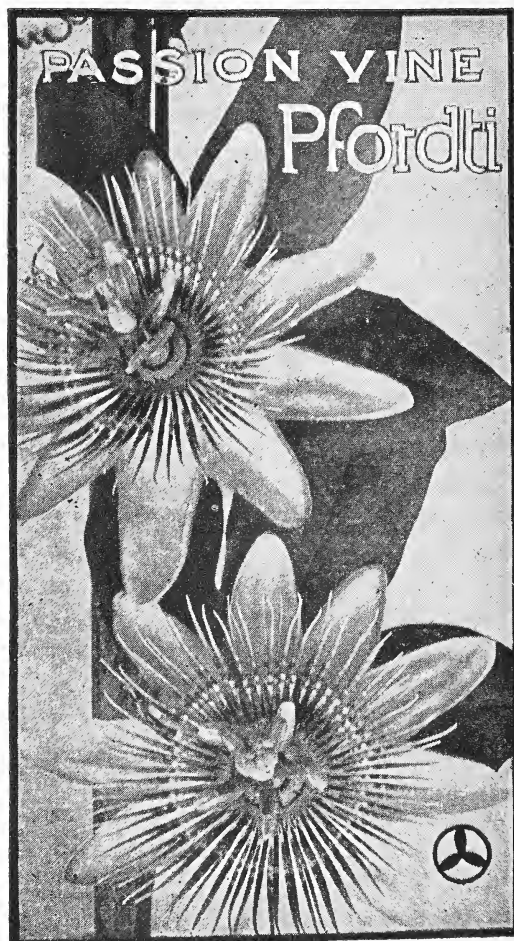
PANDANUS VEITCHI

Graceful curved foliage, light green striped with broad bands of pure white. An attractive decorative plant that stands ordinary house culture well and is always fresh and bright in appearance. Large plants by express: From 4 inch pots, \$1.00; from 5 inch pots, \$1.50.

PASSIFLORA (Passion Vine)

Tender climbing vines which are serviceable and very attractive for interior use—such as framing a bay window, or for general outside latticed decoration. Strong climbers, well foliaged, and prolific bloomers during about four months before fall. The variety we offer is the best in every way for this latitude.

Pfordti. A beautiful variety which furnishes a vast amount of fragrant bloom and much enjoyment. The four to six inch flowers are waxy; sepals greenish white; petals pink; the numerous needle-like filaments black-purple at base, then blue-purple, with pointed white tips; the heavy protruding stamens branched like a cross. Foliage is plentiful; dark green, in three broad lobes and heavy base. 25 cts. each; \$2.50 per dozen.



PELARGONIUMS

(Lady Washington Geraniums)

A valuable class of house and garden plants related to the Geraniums, resembling them closely in character, habit and treatment. Pelargoniums revel in hot sun light, with-standing temperature and glare that would shrivel other flowers. All they ask is plenty of water. They do not grow as dense or compact as Geraniums, consequently it is advisable to pinch back the long shoots once or twice prior to their blooming season in April, thus ensuring a nicely rounded, bushy shape.

Dorothy. Beautiful fringed variety. Flowers large; rosy salmon with dark maroon blotch on upper petals, richly shaded plum color around the throat. Its fringed and ruffled edge gives the flower a very bright and showy, yet delicate appearance. 50 cts. each; \$5.00 per dozen.

Easter Greeting. Flowers are large and free; bright amaranth red, each petal marked with a large black blotch. This variety is distinct from the rest—being, in fact, the original of a type—remarkable on account of its long blooming season, not only preceding its prime crop very early in spring, but ordinarily continuing throughout summer and fall. 50 cts. each; \$5.00 per dozen.

Gardeners' Joy. This fine new variety bears probably the largest flower clusters of any kind resembling to some extent the trusses of the Rhododendron. The ground color is apple-blossom pink, the two upper petals heavily blotched with brown.

German Glory. A robust grower with splendid flower heads of primrose (Canary) blue—the upper petals carrying large purplish magenta spots.



Note the Beauty of the Foliage



Easter Greeting

Lucy Becker. A bright pink sport of Easter Greeting, with large maroon blotches edged fiery crimson on all the petals.

Mrs. Loyal. The genuine "Pansy Geranium." Dwarfier and smaller flowered than most kinds. Its colors range from a large crimsoned throat center through pink to white at the edges. Growth characterized by compactness and sturdiness, which, coupled with its extraordinary blooming capacity, makes it a leader for large bedding requirements.

Sandiford's Best. A beautiful shade of pink surrounded by a deep band of purest white, with a large white throat.

Swabian Maid. One of the latest derivations from Easter Greeting, enjoying the same advantages of size, sturdiness and freedom as its parent. Its color is a brilliant reddish carmine, strikingly set off by a large blotch almost jet black. This variety would be first to catch the eye in any collection.

Wilhelm Hauff. Strong in growth, profuse in bloom—the large flowers strongly crimped. The ash colored base is stained with a bright purplish pink; the upper petals marked with brown and maroon.

Wurtembergia. Medium sized flowers, bright carmine with large narrow sharply defined blotches. Equally valuable as tender or pot plants.

Unless noted, 25 cts. each; 3 for 65 cts.; \$2.25 per dozen.

PENNISETUM (Fountain Grass)

Rueppelianum. A highly ornamental tender grass much prized for solitary garden specimens, or in masses. As a border for tall Cannas or Elephant's Ear, it is very appropriate and satisfactory. Plants attain three feet in height, with gracefully drooping bronze-green foliage, and upright purplish plumes. 20 cts. each; \$2.00 per dozen.

PETUNIAS

SINGLE FLOWERED

Giant Ruffled. Flowers beautifully ruffled and fringed; colors rich and gorgeous, with deep throats of various shades. Fine single mixed.

Rosy Morn. Of compact, bushy growth, fifteen inches in height, covered the entire season with one and one-half inch flowers. Throat silvery-white, outer edge heavily shaded soft rose-pink.

Triumph. A splendid new large flowering single variety of uniform growth and general superiority as a mass bedder. It is beautifully ruffled, and very conspicuous in its clear, bright cerise-pink color.

15 cts. each; \$1.50 per doz. By Express, \$10.00 per 100.

DOUBLE FLOWERED

We are listing by name, eleven distinct varieties which are almost perfect balls of wrinkled petalage. They furnish an unlimited amount of bloom throughout the summer, fragrant and dainty and altogether delightful. This double flowered class will profit wonderfully from extra soil enrichment, frequent cultivation and plenty of water; they are worth extra attention.

Ethel. A strong variegation in crimson, pink and white.

Helen. Warm rose pink.

Hilda. Cherry red, like the Brunner rose.

Louise. Pale lavender.

Maggie. Light pink.

Mary. Tender rose-pink.

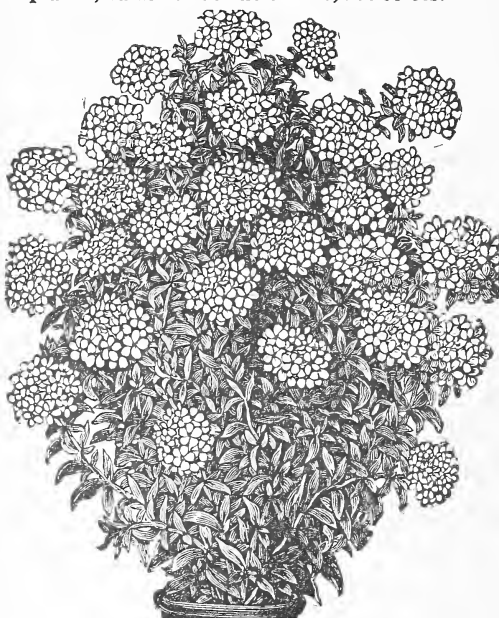
Nita. Very soft, dainty pink.

Pauline. A charming shell pink, veined crimson.

Red Top. Rosy lavender, reddening with age.

Snowball. Pure white,—a beauty.

Thelma. Blush, with bright pink veining. 15 cts.; \$1.50 doz. By express, \$10.00 per 100. 7 plants, varieties of our choice, for 85 cts.



Plumbago Capensis



Double Petunias

PLUMBAGO

Shrubby plants which make good house specimens in pots or tubs, usually put out in the garden for summer rejuvenation and bloom. Being tough and thrifty, with care they may last several years and become bushes of considerable size.

Capensis. Free blooming in loose umbels, florets phlox-like with long slender tubes; sky blue. 20 cts. each; \$2.00 per dozen.

Capensis Alba. Flowers creamy white. 20 cts. each; \$2.00 per dozen.

Coccinea Superba. Differing from the Capensis type in having much larger foliage which is dark, shiny green, wide, long, dense and gracefully recurving. Also, the flowers are borne in very long, slender, mostly upright racemes, the red buds close-set with only a few scattered wide open flowers at a time. The color is waxy bright coral red. 4 inch pot plants, \$1.00 each.

PRIMULA (Primrose)

Malacoides. A vigorous type of the "Baby Primrose." Very useful for table decoration, and to furnish cut flowers for delicate bouquets. Blooms practically all the year with good sized trusses of dainty little rose lilac flowers. 20 cts. each; \$2.00 per dozen.

SANSEVIERIA ZEYLANICA

An ideal decorative plant; will stand more hardship and more abuse than any other house plant of which we know. Leaves thick and of leathery texture, not affected by gas, dust or heat. Grows to a length of three to four feet, and is beautifully striped crosswise of leaves with broad white variegations on a dark green ground. 25 cts.

SERISSA FOETIDA VARIEGATA

An attractive greenhouse shrub valuable for its foliage effect. It grows to about 2 feet, with many fine stems and branches thickly clothed with small, pointed, shiny, leathery leaves. These are dark green, sharply edged with yellow. 3 inch pot plants, 25 cts. each; \$2.50 per dozen.

SALVIA (Scarlet Sage)

The showiest, cheapest and most practical red obtainable, for summer beds and borders.

America. Finest and showiest of all the Salvias; the earliest, freest and most continuous bloomer. Plants grow about 15 inches high, precisely uniform, richly green; above which blaze the immense compact spikes of scarlet flowers to a maximum height of 2 feet.

Splendens. One of the finest of all bedding plants, being completely covered in Autumn with long spikes of dazzling scarlet flowers remaining in bloom until cut down by frost.

Zurich. Dwarf, early and compact; constantly in bloom even in the smallest pots.

15 cts.; \$1.25 per doz. By express, \$7.00 per 100.

TWO SALVIA NOVELTIES

Pink Salvia. Very pretty garden effects may be obtained from use of this novelty, which is bushily compact, with full sized spikes of rich salmon pink. 25 cts. each; \$2.50 per dozen.

White Salvia. Probably few users of the familiar red Salvias, ever thought to see the type so radically changed, yet we are here offering a variety equal in size and quality to any previous sort, in color a clear cream white. 25 cts. each; \$2.50 per dozen.

SWAINSONIA

Galegifolia Alba. A very popular ever-blooming house plant, blooming in sprays of 10 to 20 flowers shaped much like Sweet Peas. Its pure white flowers are used much in cut-flower work. 25 cts. each; \$2.50 dozen.

TRADESCANTIA (Wandering Jew)

Beautiful trailing vines with thick, waxy, lance shaped foliage; very useful in baskets and window boxes.

Striata. Striped yellow, with grayish green reverse.

Cyanotis Multicolor. Striped maroon and greenish white. 15 cts. each; \$1.25 per dozen.

STROBILANTHUS DYERIANUS

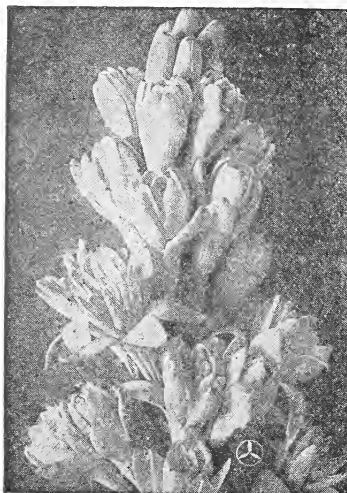
An excellent bedding plant as well as a beautiful foliage plant for pot culture. It forms a compact bush 18 inches high, with leaves six to nine inches long; of a beautiful metallic purple, shading into light rose, with a light green margin. The flowers are violet blue, borne in immense racemes. 25 cts. each; \$2.50 per dozen.

THYRSACANTHUS RUTILANS**(Fountain Plant)**

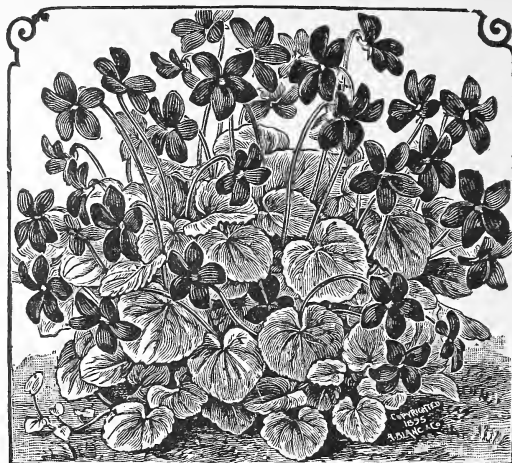
A greenhouse plant of easy growth, and when in bloom a graceful specimen for table decoration. Its tubular shaped carmine flowers are borne on long, drooping thread-like branches, 12 to 16 inches in length. 25 cts. each; 3 for 60 cts.



TUBEROSE

**Excelsior
Pearl.**

Fall flowering bulbs whose popularity has never waned. Aside from the beauty of their long compact spikes of double flowers, their exquisite perfume affords one of the most positive delights in our late gardens. Double white dwarf. 8 cts. each; 75 cts. per dozen. By express, \$5.00 per 100.



VIOLETS

Of all delightful perfumes, that of the Sweet Violet is the most delicate and pleasing. If grown in the house for winter flowers, they should be kept at a low temperature; they will not bloom freely where it is too warm. If left in the open ground during the winter, protect with a covering of leaves.

Lady Campbell. Light purple, double flowers.

Princess of Wales. Broad Pansy-like flowers of a beautiful violet purple shade, with lighter center. A vigorous growing plant with clean, healthy foliage and stiff long stems. One of the most beautiful and free flowering Violets

Swanly White. Flowers large, double, pure white. About the only good white variety on the market.

20 cts. each; \$2.00 per dozen.

VINCA

Major Variegata. More of this used for baskets and vases than there is of any other two basket plants. Beautiful variegated green and white foliage; strong trailing habit of growth. 15 cts.; \$1.25 per dozen. 4 inch pot plants, 25 cts.; by express, \$2.50 per dozen.

Periwinkle. Everblooming bedding plants, flowers Phlox shaped. In separate colors, rose or white. 15 cts.; \$1.50 per dozen.

VERBENA PLANTS



These are compact, showy flowering plants of considerable value for outlining beds, or as entire 15 to 18 inch high beds of solid or mixed colors. Beautiful, highly colored umbels borne very freely throughout the summer bedding season. Assorted colors in purple, scarlet, pink and white. 15 cts.; \$1.25 per dozen. By express, \$7.00 per 100.

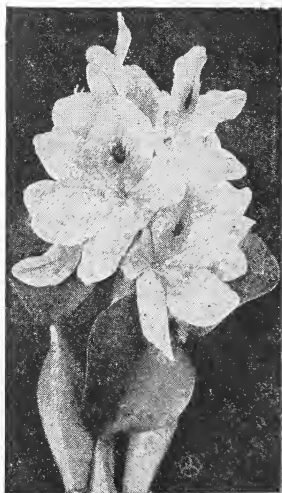
WATER
HYACINTHS

Pondetaria. Very interesting and beautiful, floats on the surface of the water and produces fine spikes of light rosy lilac orchid-like flowers. 20 cts. each; \$2.00 per dozen.

WATER
LILY

Nymphaea Odorata.

The well known white fragrant Pond Lily. 25 cts. each. \$2.50 per dozen.



Water Hyacinths



AS LONG as the Rose exists it will retain its dominant grip upon the affections and appreciation of the human race. Recognizing the commercial importance of this appeal and the consequent demand for supply, we have consistently developed the Rose as one of our leading specialties. We annually devote to the propagation and nurture of strong, field-grown, hardy types, from forty to sixty acres of the best rose soil which lies out-doors. Our Lake County clay and the prevailing moisture-laden breezes from Lake Erie, form a growing combination hard to beat when supplemented by the scientific treatment which our rose-specialists have learned to apply, thru the intensive experience of sixty years. S. & H. Roses consequently enjoy an international reputation for highest quality, development, health and hardiness.

We have carefully classified and arranged the varieties of Roses offered in this catalogue, making two general divisions of **Hardy Field Grown** sorts, and **Pot Grown** varieties. Special mention is made wherever certain sorts are offered in both divisions, by the use of a star (*) with the varietal name.

BUSH ROSES CUT BACK READY TO PLANT

Yielding to the often expressed wishes of many patrons, who desire their Rose bushes cut back properly, all ready to plant, we are therefore (omitting the Climbers and Baby Ramblers, which need little pruning), furnishing all **Dormant Bush Roses to you, whether by mail or express, trimmed ready to plant.**

Order Early. To obtain the best results with spring planted Roses, they should be put into the ground as early in March as the temperature and condition of the soil will permit. Where rate is not prohibitive, we would advise ordering shipments by express; the plants will come to you more safely packed and in much livelier condition than if sent by mail or slow freight.

Treatment on Arrival. If upon arrival the roots seem to be very dry, soak them thoroughly in water; if the stems as well are too dry, bury the entire plant in the ground for two or three days. At no time after unpacking should the roots be exposed to the sun or dry winds; a very little neglect at this time working serious if not fatal injury to the bush.

Planting. In preparing a Rose Bed, select a sunny location guarded from cold north winds, if possible. Dig out the beds to a depth of two or three feet and about three feet in width; then refill the trench with a mixture of soil (any good fertile soil will do) and well rotted cow manure, making provision for good drainage if location is not naturally drained. Time should be allowed for this filling to settle, the final top surface being an inch or two below the edges of the bed. Do not raise the surface of Rose beds above the surrounding surface. They suffer less from drought when left level with the turf. Plant your Roses in the center, being very particular to press and tamp the soil firmly around the roots; and soaking the bed thoroughly at the finish. The Everblooms may be set 18 inches apart, the Hybrid Perpetuals about 2 feet. After the plants have been set out, keep the soil loose to the depth of a inch or two, by frequent stirrings. An occasional soaking with weak manure water is a great help to Roses of all sorts, and is especially active during the blooming season. Towards the end of July, a mulch of long-strawed manure will aid in preserving what moisture is in the soil during the customary droughts of the "Dog Days."

Protect for the Winter by covering bed at least 6 inches with leaves or manure; a binding surface of dirt, cornstalks or boughs on top. A convenient method is to confine this dressing by an enclosure of 12 inch chicken wire.

Pruning. Roses are often shipped with most of their wood, but it is a mistake on the part of many planters to put them in the ground untrimmed. The weak shoots and surplus wood are therefore removed by us before sending stock out, so that what the customer gets is all ready to plant. Hybrid Perpetual Roses should be cut back, every shoot, to about 6 to 8 inches above the crown or that above the roots where the stem begins to branch. Teas and Hybrid Teas need not be cut back quite so hard; the Polyanthas not at all unless stems are too numerous. Every Spring, usually the fore part of March, just before the leaf buds begin to swell, these classes should be treated similarly and the winter covering gradually removed. The Rugosas are pruned merely to keep their growth within bounds and to remove dead wood; the Hardy Climbers are merely trimmed, and inasmuch as their bloom comes only on wood made the season before, the safest and most beneficial time for pruning is immediately after their blooming season and before they make new summer growth. Suckers from the Manetti stock should be cut off at once, and may be recognized by a difference in color and arrangement of seven leaves, instead of five, as in almost all varieties of Roses. Do not be afraid of the knife; the flowers will be larger and richer in color, and the bed more slightly.

Capacity of Rose Beds. Although in warm localities, where plant growth is luxurious, a greater interval is necessary, 18 inches apart is generally accepted as the proper spacing. On this basis, beds $4\frac{1}{2}$ feet wide will take three rows, and if six feet long will require a dozen plants. Or a dozen plants would occupy a 3-foot bed with two rows nine feet long. Delightful arrangements in odd shapes, and by combination of various classes, may be worked out according to the individual planter's fancy and ingenuity.

PRICE LIST OF HARDY FIELD-GROWN ROSES



Abbreviations: "T" means Tea, an extensive class of tea scented everblooming roses; usually available only as hot-house or pot plants. "H. T." means Hybrid Tea, hybrids of Tea roses, generally hardier, larger flowered and good for outdoor planting. "H. P." means Hybrid Perpetual, hardy field roses blooming normally but a short time, in June and July. "H. C." means Hardy Climber, hardy outdoor trellis roses, including the modern "Ramblers." "Poly." means Polyantha, usually small flowered cluster roses of dwarf growth and long blooming season (includes the so-called "Baby Ramblers"). "Pern." means Pernetiana, hybrids derived from combining various classes by the celebrated M. Pernet. "R" means Rugosa, and "R. H." means its Hybrids, a valuable class of a shrubby nature for landscaping. "M" means Moss, of short season, but uniquely mossed on its flower stems. "W. H." means Wichuriana Hybrids, varieties of the Memorial or Creeping Roses. The "Wild" roses are cultivated plants of the native types.

Where a variety is also offered in the Pot Grown Division, its name is preceded by a star ().

| 2-Year Field Grown Roses | | | MAIL | | EXPRESS | | | 2-Year Field Grown Roses | | | MAIL | | EXPRESS | |
|-----------------------------|------|-------|--------|--------|---------|--------|--|-----------------------------|------|-------|--------|---------|---------|---------|
| VARIETIES | Page | Class | Each | 10 | Each | 10 | | VARIETIES | Page | Class | Each | 10 | Each | 10 |
| Alfred Colomb..... | 107 | H.P. | \$0.90 | \$8.50 | \$0.85 | \$8.00 | | *La Fayette..... | 104 | Poly. | \$2.00 | \$19.00 | \$1.90 | \$18.00 |
| American Beauty..... | 105 | H.T. | 1.00 | 9.50 | .90 | 8.50 | | Laurent Carle..... | 106 | H.T. | 1.00 | 9.50 | .90 | 8.50 |
| *American Pillar..... | 108 | H.C. | .90 | 8.50 | .85 | 8.00 | | Los Angeles..... | 104 | H.T. | 1.35 | 13.00 | 1.25 | 11.00 |
| *Angelus..... | 105 | H.T. | 1.50 | 14.00 | 1.40 | 13.00 | | Louise Catherine | | | | | | |
| Baby Rambler..... | 110 | Poly. | .85 | 8.00 | .80 | 7.50 | | Breslau..... | 106 | H.T. | 1.25 | 12.00 | 1.20 | 11.00 |
| *Baby Tausendschön..... | 110 | Poly. | 1.00 | 9.50 | .95 | 9.00 | | Lucida..... | 110 | Wild | .80 | 7.50 | .75 | 7.00 |
| Baroness Rothschild..... | 107 | H.P. | .90 | 8.50 | .85 | 8.00 | | Luxembourg..... | 106 | M. | .90 | 8.50 | .85 | 8.00 |
| Belle Poitevine..... | 111 | R.H. | .90 | 8.50 | .85 | 8.00 | | *Madame Butterfly..... | 104 | H.T. | 1.00 | 9.50 | .90 | 8.50 |
| Bessie Brown..... | 105 | H.T. | 1.00 | 9.50 | .90 | 8.50 | | Mad. C. Testout..... | 106 | H.T. | 1.00 | 9.50 | .90 | 8.50 |
| Betty..... | 105 | H.T. | 1.00 | 9.50 | .90 | 8.50 | | Mad. Edouard Herriot | 106 | Pern. | 1.00 | 9.50 | .95 | 9.00 |
| Blanche Moreau..... | 106 | M. | .90 | 8.50 | .85 | 8.00 | | Mad. Gabriel Luizet..... | 107 | H.P. | .80 | 7.50 | .75 | 7.00 |
| Blanda..... | 110 | Wild | .80 | 7.50 | .75 | 7.00 | | Mad. Georges Bruant..... | 111 | R.H. | .90 | 8.50 | .85 | 8.00 |
| Capt. Hayward..... | 104 | H.P. | .90 | 8.50 | .85 | 8.00 | | Mad. Jenny Gillemot..... | 106 | H.T. | 1.00 | 9.50 | .95 | 9.00 |
| Carolina..... | 110 | Wild | .80 | 7.50 | .75 | 7.00 | | Mad. Jules Grolez..... | 106 | H.T. | 1.00 | 9.50 | .95 | 9.00 |
| Chas. F. Worth..... | 111 | R.H. | .90 | 8.50 | .85 | 8.00 | | Mad. Leon Pain..... | 106 | H.T. | 1.00 | 9.50 | .95 | 9.00 |
| Clara Watson..... | 105 | H.T. | 1.00 | 9.50 | .95 | 9.00 | | Magna Charta..... | 107 | H.P. | .80 | 7.50 | .75 | 7.00 |
| *Climbing Am. Beauty..... | 108 | H.C. | .90 | 8.50 | .85 | 8.00 | | *Manda's Triumph..... | 111 | W.H. | .80 | 7.50 | .75 | 7.00 |
| Clio..... | 107 | H.P. | .90 | 8.50 | .85 | 8.00 | | Marshall P. Wilder..... | 107 | H.P. | .90 | 8.50 | .85 | 8.00 |
| *Columbia..... | 105 | H.T. | 1.00 | 9.50 | .90 | 8.50 | | Mary Wallace..... | 103 | W.H. | 2.00 | ..... | 2.00 | ..... |
| Conrad Ferd. Meyer..... | 111 | R.H. | .90 | 8.50 | .85 | 8.00 | | Miss Cynthia Forde..... | 106 | H.T. | 1.00 | 9.50 | .90 | 8.50 |
| Countess Clanwilliam..... | 105 | H.T. | 1.00 | 9.50 | .95 | 9.00 | | Miss Lolita Armour..... | 103 | H.T. | 2.00 | 19.00 | 1.90 | 18.00 |
| Countess of Murinais..... | 106 | M. | .90 | 8.50 | .85 | 8.00 | | *Mrs. Aaron Ward..... | 106 | T. | 1.00 | 9.50 | .90 | 8.50 |
| Crested..... | 106 | M. | .90 | 8.50 | .85 | 8.00 | | Mrs. A. R. Waddell..... | 106 | H.T. | 1.00 | 9.50 | .90 | 8.50 |
| Crimson Rambler..... | 108 | H.C. | .90 | 8.50 | .85 | 8.00 | | *Mrs. C. W. Thompson..... | 108 | H.C. | .90 | 8.50 | .85 | 8.00 |
| Crown Princess Cecilia..... | 105 | H.T. | 1.00 | 9.50 | .95 | 9.00 | | Mrs. J. H. Laing..... | 107 | H.P. | .90 | 8.50 | .85 | 8.00 |
| Crusader..... | 105 | H.T. | 1.35 | 13.00 | 1.25 | 11.00 | | Mrs. S. K. Rindge..... | 103 | H.T. | 2.00 | 19.00 | 1.90 | 18.00 |
| *Debutante..... | 111 | W.H. | .80 | 7.50 | .75 | 7.00 | | Mrs. W. C. Miller..... | 106 | H.T. | 1.00 | 9.50 | .90 | 8.50 |
| Deuil de P. Fontaine..... | 106 | M. | .90 | 8.50 | .85 | 8.00 | | Multiflora..... | 110 | Wild | .80 | 7.50 | .75 | 7.00 |
| *Doctor Van Fleet..... | 108 | H.C. | 1.00 | 9.50 | .90 | 8.50 | | Nova Zembla..... | 111 | R.H. | .90 | 8.50 | .85 | 8.00 |
| *Dorothy Perkins..... | 108 | H.C. | .80 | 7.50 | .75 | 7.00 | | Opelia..... | 106 | H.T. | 1.00 | 9.50 | .90 | 8.50 |
| Duchess of Wellington..... | 105 | H.T. | 1.00 | 9.50 | .90 | 8.50 | | *Orleans..... | 110 | Poly. | .80 | 7.50 | .75 | 7.00 |
| *Ellen Poulsen..... | 110 | Poly. | .90 | 8.50 | .85 | 8.00 | | Paul Neyron..... | 107 | H.P. | .90 | 8.50 | .85 | 8.00 |
| Eugene Furst..... | 107 | H.P. | .90 | 8.50 | .85 | 8.00 | | *Paul's Scarlet Climber | 108 | H.C. | 1.25 | 11.50 | 1.15 | 10.50 |
| *Evergreen Gem..... | 111 | W.H. | .80 | 7.50 | .75 | 7.00 | | Persian Yellow..... | 107 | Aust. | .90 | 8.50 | .85 | 8.00 |
| *Excelsa..... | 109 | H.C. | .80 | 7.50 | .75 | 7.00 | | Pink Roamer..... | 111 | W.H. | .80 | 7.50 | .75 | 7.00 |
| Francis Scott Key..... | 105 | H.T. | 1.00 | 9.50 | .90 | 8.50 | | *Premier..... | 106 | H.T. | 1.00 | 9.50 | .90 | 8.50 |
| Frau Karl Druschki..... | 104 | H.P. | .90 | 8.50 | .85 | 8.00 | | Prince of Bulgaria..... | 106 | H.T. | 1.00 | 9.50 | .95 | 9.00 |
| Gen. Jacqueminot..... | 107 | H.P. | .80 | 7.50 | .75 | 7.00 | | *Radiance..... | 106 | H.T. | 1.00 | 9.50 | .90 | 8.50 |
| Gen. MacArthur..... | 105 | H.T. | 1.00 | 9.50 | .90 | 8.50 | | *Red Orleans..... | 110 | Poly. | 1.00 | 9.50 | .95 | 9.00 |
| George Arends..... | 104 | H.P. | .90 | 8.50 | .85 | 8.00 | | *Red Radiance..... | 106 | H.T. | 1.00 | 9.50 | .90 | 8.50 |
| *Gold Finch..... | 109 | H.C. | .90 | 8.50 | .85 | 8.00 | | Rosa Rugosa Alba..... | 111 | R. | .90 | 8.50 | .85 | 8.00 |
| Gorgeous..... | 105 | H.T. | 1.00 | 9.50 | .90 | 8.50 | | Rosa Rugosa Rubra..... | 111 | R. | .80 | 7.50 | .75 | 7.00 |
| Gruess an Aachen..... | 110 | Poly. | .90 | 8.50 | .85 | 8.00 | | *Rosa Wichuriana..... | 111 | W. | .80 | 7.50 | .75 | 7.00 |
| *Gruess an Teplitz..... | 105 | H.T. | 1.00 | 9.50 | .95 | 9.00 | | Rose Marie..... | 103 | H.T. | 1.50 | 14.00 | 1.40 | 13.00 |
| Hadley..... | 105 | H.T. | 1.00 | 9.50 | .95 | 9.00 | | *Rosiere..... | 107 | H.C. | .80 | 7.50 | .75 | 7.00 |
| Henri Martin..... | 106 | M. | .90 | 8.50 | .85 | 8.00 | | Salet..... | 106 | M. | .90 | 8.50 | .85 | 8.00 |
| *Hiawatha..... | 109 | H.C. | .80 | 7.50 | .75 | 7.00 | | Setigera..... | 110 | Wild | .80 | 7.50 | .75 | 7.00 |
| Hoosier Beauty..... | 105 | H.T. | 1.35 | 13.00 | 1.30 | 12.50 | | *So. Orange Perfection..... | 111 | W.H. | .80 | 7.50 | .75 | 7.00 |
| Humilis..... | 110 | Wild | .80 | 7.50 | .75 | 7.00 | | *Souv. de C. Pernet..... | 104 | Pern. | 2.25 | ..... | 2.15 | ..... |
| J. B. Clark..... | 107 | H.P. | .90 | 8.50 | .85 | 8.00 | | Sunburst..... | 106 | H.T. | 1.35 | 13.00 | 1.25 | 11.00 |
| *Jersey Beauty..... | 111 | W.H. | .80 | 7.50 | .75 | 7.00 | | Sweetheart..... | 111 | W.H. | .80 | 7.50 | .75 | 7.00 |
| *Jessie..... | 110 | Poly. | .80 | 7.50 | .75 | 7.00 | | *Tausendschön..... | 109 | H.C. | .80 | 7.50 | .75 | 7.00 |
| Jchr. J. L. Mock..... | 105 | H.T. | 1.00 | 9.50 | .95 | 9.00 | | TREE ROSES..... | 111 | Asst. | ..... | 2.00 | 17.50 | ..... |
| John Hopper..... | 107 | H.P. | .90 | 8.50 | .85 | 8.00 | | Triomphe Orleanaise..... | 110 | Poly. | .90 | 8.50 | .85 | 8.00 |
| Jubilee..... | 107 | H.P. | .90 | 8.50 | .85 | 8.00 | | Ulrich Brunner..... | 107 | H.P. | .90 | 8.50 | .85 | 8.00 |
| Juliet..... | 106 | Pern. | 1.00 | 9.50 | .95 | 9.00 | | *Universal Favorite..... | 111 | W.H. | .80 | 7.50 | .75 | 7.00 |
| Kaiserin A. Victoria..... | 105 | H.T. | 1.00 | 9.50 | .90 | 8.50 | | *White Baby Rambler..... | 110 | Poly. | .90 | 8.50 | .85 | 8.00 |
| Killarney..... | 105 | H.T. | 1.00 | 9.50 | .90 | 8.50 | | *White Dorothy..... | 109 | H.C. | .80 | 7.50 | .75 | 7.00 |
| Lady Alice Stanley..... | 105 | H.T. | 1.00 | 9.50 | .90 | 8.50 | | *White Killarney..... | 106 | H.T. | 1.00 | 9.50 | .90 | 8.50 |
| Lady Hillingdon..... | 106 | H.T. | 1.00 | 9.50 | .95 | 9.00 | | William F. Dreer..... | 103 | H.T. | 2.00 | 19.00 | 1.90 | 18.00 |

● NOVELTY ROSES ●

Four Choice New Hybrid Teas

The four varieties following are all of American introduction, of such high quality that they have won unstinted praise and adoption even among the greatest rosarians of Europe. *2 year field grown.*

MISS LOLITA ARMOUR

There could be no substitution on this exquisite variety, as its color expression is entirely distinct. At the international rose exhibition of 1921 in the great Bagatelle Gardens, Paris, it won the first prize gold medal in competition with the world's best new roses. The flowers are of large size, fully double, deliciously fragrant, with petals of great substance. The plant growth is strong and vigorous, productive of much and continuous bloom. Inadequate description of its colors in the fully expanded stage, fixes the basic color as deep coral with a golden and coppery red suffusion; the base of petals a rich golden yellow with copper-red sheen. Mail \$2.00; Express \$1.90.

MRS. S. K. RINDGE

Probably the yellowist rose of Californian production; having also many other first quality recommendations, such as strong growth and free-branching habit, darkly green foliage which is mildew-proof, long pointed buds which are well carried, and freely produced flowers of good size, moderately double. The color is clear, rich chrome yellow, only at maturity modified by a beautifying suffusion of salmon pink. Mail \$2.00; Express \$1.90.

ROSE MARIE

Not all pink roses which charm the eye as cut-flowers, develop into successful bedding types. We believe this new variety has had ample test to substantiate its originator's claim that Rose Marie is a first class, superior bedder. The color is a clear, emphatic rose pink always admirable and appreciated in our rose-gardens, particularly so when,—as in this case,—the flowers are large, beautifully formed, and abundant. Mail \$1.50; Express \$1.40.



Rose Marie

WILLIAM F. DREER

Acknowledging its close relationship to the superb Los Angeles, by size, shape, expression, and general character,—this delightful new American rose could go far on the family reputation, alone. But it is not dependant, having its own distinct claims and value. Its coloring is not sharply defined or aggressive, but just that, modest delicacy and sweetness found in orchids and certain water-lilies. Soft, silvery shell pink, at times creating a golden illusion through reflection from the base of petals which are definitely gilded. A magnificent vase type, at its best as buds, and when half expanded. Mail \$2.00; Express \$1.90.

THE AMERICAN ROSE SOCIETY'S NEW "DOORYARD" ROSE MARY WALLACE

The Storrs & Harrison Co. are one of a select number of prominent rose growers favored by participation in this first distribution of new roses through the federal Bureau of Plant Industry and the American Rose Society. The late Dr. Van Fleet, who originated such choice climbing varieties as "American Pillar," "Silver Moon" and "Dr. Van Fleet," has bequeathed to posterity the fruits of his latest efforts directed towards perfected "dooryard" types. Mary Wallace is the first of this series to be released under federal control, even the description and price of which is regulated under contract, to be as follows:

"Mary Wallace. (W. C. 102). Pillar rose type. Makes a fine, strong, self-supporting rose 6 to 8 feet high, with large, glossy foliage, resistant to Bell to all diseases. Blooms with great freedom in spring, and bears a considerable number of fine buds in summer and fall. Flowers well-formed, semi-double, bright clear rose-pink, with salmon base to the petals. Largest in size of any Wichuriana hybrid, generally exceeding 4 inches in diameter. Hardy, readily propagated. Has been tested at Bell Station, Md.; Portland, Ore.; Syracuse, N. Y.; Harrisburg, Pa.; and Hartford, Conn. Price for No. 1, 2 year field grown plants, \$2.00 each."



William F. Dreer



NEW BABY RAMBLER ROSE *LA FAYETTE

This newest baby rambler of note, is a decided break from the type. The dwarf, bushy growth, clustered flower heads and continuous blooming, are conventional; but nothing like the magnificence of size of bloom has ever before appeared in the class. The individual flowers of La Fayette are fully as large as Paul's Scarlet

Climber, semi-double and prettily ruffled, strung together in great branching sprays of as many as forty. Imagine the effect of such an exhibition, whether as a border, or solitary, in the brilliancy and beauty of its cherry-crimson color. Mail \$2.00; Express \$1.90.

NEW YELLOW PERNETIANA *SOUVENIR DE CLAUDIUS PERNET

Considered generally by rose specialists as the masterpiece of M. Pernet-Ducher, its famous French introducer. Its color is a decided and unstained sunflower yellow even deeper toned at center. Unlike most yellows, hot weather and exposure have little effect upon its pigments; the matured flower gleaming as richly as when first unfolding. Its flower form is large and full with elongated petals; the buds long

and pointed. In growth it is vigorous, erect and branching, with brilliant foliage and almost thornless stems. You will find this color and features faithfully portrayed (No. 2) on the first page of our cover. So great has been our last fall's sale to visitors who actually saw the glory of its bloom in our rose-field, we dare not offer it for individual sale this spring, but only as one of the early arranged cover set displayed below. Mail \$2.25; Express \$2.15.

THE S. & H. CO. "Cover Collection"

OF SIX CHOICE ROSES

The six splendid roses which decorate our first page of cover, were cut in our fields a day in last July, with the morning dew upon them, and painted in our studio by an eminent artist. The set presents a pleasing range of color, in choice varieties desirable in any garden. In the picture, each is designated by a number, which identifies the following names and descriptions:

1 Los Angeles. Gloriously living up to its recent novelty introduction, which claimed this California product to be one of the grandest all-round Roses of American origin ever put on the market. The stems are long as American Beauty; the flowers are large as Paul Neyron; its freedom and continuance of bloom are remarkable; its color a flame pink, toned with coral and shaded with translucent gold at the base of the petals. \$1.35.

2 Souv. de Claudius Pernet. Sunflower yellow. See full description above under "Novelties." \$2.25.

3*Madame Butterfly. The countless admirers of Ophelia will appreciate this new variety, its offspring. All the color tones of Ophelia are intensified; making it a symphony of white, bright pink, apricot and gold. As between the two, Madame Butterfly is fuller-petaled, more prolific, and of greater color appeal. The buds are a rich Indian red, yellow at base. \$1.00.

4 Capt. Hayward. Large, full flowers which are high built, with characteristically rolling edges to the petals. The color is strong and attracting, a rich, velvety carmine-crimson. This is one of the finest hybrid perpetuals. 90 cts.

5 Frau Karl Druschki. The regal "White American Beauty." The distinctive form and expression of its bud, half opened state and maturity are a three-fold revelation of exquisite charm and beauty. In our gardens they commence blooming with the other June Roses, are conspicuous throughout the summer with their large flowers of waxy paper white, and yield their last armful with the first snows of an early fall. 90 cts.

6 George Arends. (Pink Druschki.) This wonderful rose is the most notable addition to the list of choice hybrid perpetuals since the advent of Druschki, which in many respects it resembles. In growth it is more vigorous, furnishing the longer stems comparable with Neyron. Its profuse and recurrent bloom compares favorably with both. Its color is a delicious shade of satiny, clear rose-pink a little deeper than Laing, a bit softer than Neyron. The earlier stages of bloom are remindful of Druschki, but when open it is the higher-built, fuller type of its two pink competitors. 90 cts.

THE "ROSE COVER COLLECTION"

The three Hybrid Teas (1, 2 and 3), value \$4.60—by mail postpaid for \$4.25.

The three Hybrid Perpetuals (4, 5 and 6), value \$2.70—by mail postpaid for \$2.40.

The Six Roses by mail postpaid for \$6.50.

TEA AND HYBRID TEA TWO YEAR FIELD GROWN ROSES

A careful selection of choice, well known and new Garden Roses which, although classed as hardy, should be given winter protection in the North. These types are popularly termed "Everblooming Roses." By this no one expects them to bloom continuously, but as compared with the Hybrid Perpetuals and other classes, their blooming activities extend over the longest period. As Garden Roses, they usually commence in June, continuing their bloom until Autumn frosts suspend the flow of sap.

Unless specially noted, varieties following are Hybrid Teas. Price, unless noted—by mail, \$1.00 each; \$0.50 per 10. By express, 90 cts. each; \$8.50 per 10.

****Special prices are for mail. See page 102 for Express price.**

GENERAL COLLECTION OF VARIETIES

American Beauty. Probably the widest known and most prized cut flower among all American Roses. Deep pink approaching crimson, of exquisite form and fragrance, and large size.

Angelus. A recent novelty which combines the qualities of both Ophelia and Columbia; except their colors are drained away, leaving but one clear expanse of ivory white. \$1.50.

Bessie Brown. White, flushed with flesh pink.

Betty. An Irish beauty, radiant in ruddy gold and rose.

Clara Watson. Rich salmon-pink; particularly pleasing in the bud. Mail \$1.00; Express 95 cts.

***Columbia.** A beautiful, true pink; deepening as it matures to a warm, glowing tone, which is enduring. Its usual double petalage and substance make it a good summer Rose, while the great size, color and long (almost thornless) stems mark it as a superior cutting variety.

Countess Clanwilliam. Delicate peach pink flamed and edged cherry red. Mail \$1.00; Express 95 cts.

Crown Princess Cecilia. Stems are strong and clean, tinged with red; foliage broad and shiny, a pleasing light shade of moss green. Full shapely buds of deep salmon open out to magnificent flowers of very large size and attractive form; an exquisite graduation of coral pink shades to a warm, deep salmon heart. Mail \$1.00; Express 95 cts.

Crusader. This new introduction breathes character, stability and boldness in every line. Its growth is sturdy, its canes erect, its foliage



heavy; while the splendid crop of flowers is arresting in its bigness, and the velvety richness of its crimson color. \$1.35.

Duchess of Wellington. Intense saffron yellow. Fine, strong-featured Rose familiarly called "Orange Killarney."

Francis Scott Key. Red, shading to cerise; very large with a profusion of petals opening to a high center. A splendid forcing variety.

General MacArthur. Dazzling crimson scarlet exquisitely perfumed. One of the grandest red Roses ever offered, either for cutting or bedding.

Gorgeous. Flowers very large, full and exquisitely formed, produced in endless profusion. Deep orange flushed copper-yellow, and heavily veined with reddish copper.

***Gruss an Teplitz.** Intense depth, richness of color; velvety crimson-red. Mail \$1.00; Express 95 cts.

Hadley. One of the latest sensations among Rose growers. Superb flowers and dependable bushy growth; color deep, velvety crimson-scarlet. Mail \$1.00; Express 95 cts.

Hoosier Beauty. A large, full flower with well shaped buds; color glowing crimson. Sweetly scented, a great favorite for cutting. \$1.35.

Jonkheer J. L. Mock. A new pink Rose from Holland; vigorous in growth and hardy, with long smooth canes and great freedom of bloom. Flowers are round and full, bright pink faced carmine. A splendid bedder. Mail \$1.00; Express 95 cts.

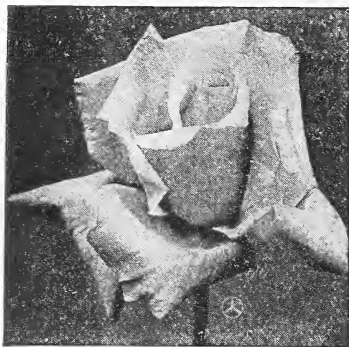
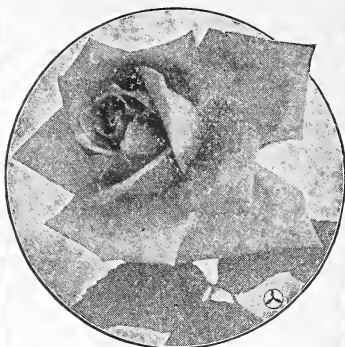
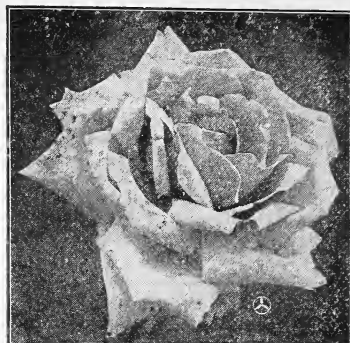
Kaiserin Augusta Victoria. Full double flowers; delicate creamy white; deliciously fragrant.

Killarney. Queen of the Irish Roses, of exquisite form and fragrance. Bright carmine-pink, marbled in creamy white, with petals large and durable, the buds extremely long.

Lady Alice Stanley. Shell-shaped petals of deep coral rose outside, interior delicate flesh suffused pink. A persistent and free bloomer, one of the most satisfactory general utility pink roses in the list.



Columbia

**Jonkher J. L. Mock** (Page 105)**Radiance****Sunburst****HYBRID TEA ROSES**—Continued

Lady Hillingdon. A splendid new yellow variety, one of the most prolific cut flowers. Color deep apricot-yellow varying to orange. Mail \$1.00; Express 95 cts.

Laurent Carle. Brilliant, velvety carmine. Flowers very large, of perfect form and intense fragrance.

Los Angeles. See "Cover Collection," page 104.

Louise Catherine Breslau. A delightful combination of color tones, being coral red in the bud with shading of chrome yellow; while the expanded flower which is very large, is a superb shrimp pink shaded coppery orange and chrome yellow. \$1.25.

Madame Butterfly. See "Cover Collection," page 104.

Mad. Caroline Testout. An old favorite always dependable, seldom out of bloom, ever beautiful. Light salmon-pink, edged silvery rose.

Mad. Jenny Gillemot. Notable for its long pointed buds which are a deep saffron yellow. The flowers open up to large size, with broad, curving petals now a bright canary shaded with gold. A fine, upright grower of branching habit. Mail \$1.00; Exp. 95 cts.

Mad. Jules Grolez. Soft china rose, passing to clear, satiny pink. Mail \$1.00; Express 95 cts.

Mad. Leon Pain. Silvery salmon overlaid orange at center. A very good Garden Rose. Mail \$1.00; Express 95 cts.

Miss Cynthia Forde. Very full flowers; deep rose pink, shading on back of petals to light pink.

***Mrs. Aaron Ward.** Buds are deeply cupped, the open flowers delightfully attractive. Color, deep golden orange, shading to creamy yellow. This popular variety has long been the standard yellow, small-budded "corsage rose" for our American women.

Mrs. A. R. Waddell. Very deep, rich apricot-yellow flowers, of large size and attractive form.

Mrs. Wakefield C. Miller. A most attractive color combination in large, free flowers with wavy edges, soft pearl shaded salmon, with rosy reverse.

Ophelia. One of the most beautiful and popular of recent cut-flower favorites; with perfect flowers of distinct form, lavishly produced, emitting the exquisite perfume of the Richmond type; white, tinted salmon flesh and shaded with rose. There is a strong glow of yellow at base of petals, while the tight buds are almost as yellow as Mrs. Ward.

***Premier.** A magnificent new variety of large size and distinct character; very deep rose color, the broad roll of the outer petals creating most interesting lights and shadows. It is practically thornless.

Prince of Bulgaria. Very full cup-shaped flowers; an exquisite shade of rosy flesh color, shaded with apricot and yellow. Mail \$1.00; Express 95 cts.

***Radiance.** Extra hardy, vigorous and prolific; one of the best all-round Garden Roses. Its color is a beautiful blending of carmine-rose with shades of opal and copper.

***Red Radiance.** The globular, heavy-stemmed "Radiance" duplicated in all respects except color; this sport form being a brilliant crimson.

Sunburst. Very select, with long spiral buds; a lovely bronzy yellow fading to apricot. \$1.35.

***White Killarney.** A duplicate of the charming pink Killarney, with flowers white as snow.

Unless noted, by mail, \$1.00 each; \$9.50 per 10. By express, 90 cts. each; \$8.50 per 10.

PERNETIANA ROSES

These are all recent products of the great French Rose grower, M. Pernet. They are hardy garden subjects, characterized by ornamental tinted foliage; and striking, beautiful combinations of colors in the flowers, in which the rare much prized yellow is predominant.

Juliet. Fine flowers; petals gold outside, inside rich, rosy red deepening as the flower expands. Mail \$1.00; Express 95 cts.

Mad. Edouard Herriot. Its flowers are medium sized semi-double, well set amidst varnished bronze-green foliage. The color is a glorious commingling of terra cotta, bronze, Geranium red and dull copper; fine long, pointed buds of coral-red and yellow. Mail \$1.00; Express 95 cts.

***Souv. de Claudius Pernet.** See full description under "Novelties," and illustration on front cover. Our modest, nominal price is \$2.25 each for 2 year plants, but these are available now only in the "Cover Collection."

MOSS ROSES

A beautiful species distinguished by the moss-like covering of their buds. Vigorous, stocky growth, lustrous foliage and perfect hardiness; the flowers usually large and, although they bloom but once a year, retain their beauty exceptionally long.

Blanche Moreau. Pure white.

Countess of Murinais. White, beautifully mossed. **Crested.** Deep pink buds, surrounded by a mossy fringe and crest; exquisitely fragrant.

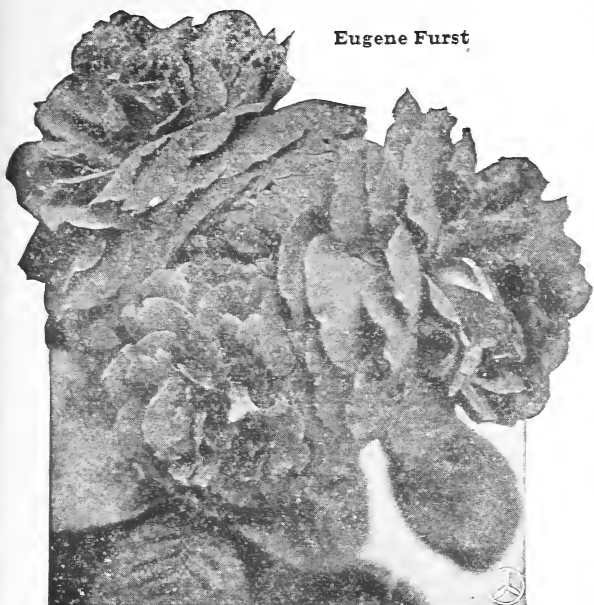
Deuil de Paul Fontaine. Deep crimson; constant.

Henri Martin. Rich glossy pink tinged with crimson.

Luxembourg. Bright crimson.

Salet. Light rose, large and full; late.

By mail, 90 cts. each; \$8.50 per 10. By express, 85 cts. each; \$8.00 per 10.

**Eugene Furst**

HYBRID PERPETUAL

These are the "June Roses" so admirably suited for garden culture, the formation of Rose beds, hedges, etc. In June and July these lovely Roses are brilliant with large, perfumed flowers of richest colors, far exceeding the Everblooming class in size and vivid effects. See page 102 for Express prices.

Alfred Colomb. Bright carmine-crimson; one of the very best dark colored sorts.

Baroness Rothschild. Exquisite pale pink, full-cupped flowers, late blooming.

Capt. Hayward. See "Cover Collection," page 104.

Clio. Color, delicate satin blush, with a light shading of rosy pink at the center; very broad and full; an exquisite color.

Eugene Furst. A beautiful velvety crimson, with distinct shading of crimson maroon. One of our showiest and freest blooming red Roses, usually in clusters.

Frau Karl Druschki. See "Cover Collection," page 104.

Gen. Jacqueminot. Familiarly known as "the Jacq. Rose" or "Gen. Jacq." This is one of the old, reliable reds as well and favorably known as any variety of its class; free blooming, rich crimson scarlet. Mail 80 cts.; Express 75 cts.

George Arends. See "Cover Collection," page 104.

J. B. Clark. This splendid new Rose is placed by some cataloguers among the Hybrid Teas; but it is perfectly hardy, unusually large and expresses in every way the characteristics of the Remontant type. It is robust in growth, with clean, heavy foliage. Flowers are large and superbly constructed; deep scarlet overlaid crimson.

John Hopper. A beautiful dark pink.

Jubilee. Pure red, shading to crimson and maroon at the base of petals; one of the darkest.

Mad. Gabriel Luizet. Large, full and fragrant flowers; soft pink with deep flesh colored center. This is one of the favorite light colored sorts forced for pot sales during the holidays. Mail 80 cts.; Express 75 cts.

Magna Charta. Strong growing, early blooming with large flowers of bright rose-pink. Although this variety has but the one blooming season, its production is liberal and attractive; and is one of the most popular sorts selected for forcing. Mail 80 cts., Express 75 cts.

Marshall P. Wilder. Bright, cherry red; a shapely globular flower and free bloomer.

Mrs. J. H. Laing. A favorite sort; satiny flowers of soft, clear pink, remarkably free and continuous. Has always been one of the "six best sellers," and generally accepted as among the best of light pinks.

Paul Neyron. One of the finest hardy Roses ever grown. It blooms unceasingly from June to November, on long, smooth, thornless stems, furnishing a great quantity of uniformly shaped flowers 4 to 6 inches across. Color a bright ruddy pink. This sort is also a dependable fall bloomer, keeping pace with the lovely white Druschki during September and later.

Ulrich Brunner. Cherry red. A popular forcing sort, and one of the varieties usually included in average orders for H. P. Roses. Its flower construction and habit is very pleasing, and the color appealing.

Unless noted, by mail, 90 cts. each; \$8.50 per 10. By express, \$5 cts. each; \$8.00 per 10.

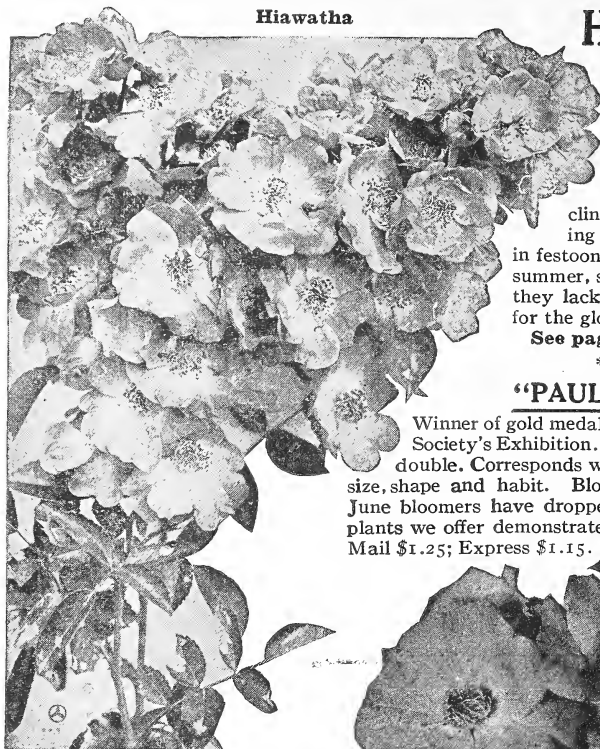
AUSTRIAN BRIAR ROSE

Persian Yellow. An old favorite; very early, fragrant, shrubby type for the yard. Deep golden yellow.

By mail, 90 cts. each; \$8.50 per 10. By express, \$5 cts. each; \$8.00 per 10.

**Paul Neyron**

Hiawatha



*Climbing American Beauty

This new climbing form of the famous pink Rose, so long the American favorite for cutting, is as lovely and fragrant and deeply pink as the bush form. The hardy climber blood with which it is crossed gives healthy, perfect foliage and a strong climbing habit of growth; the abundant bloom being in prime before the June show of the bush type. The demand for this variety has increased so rapidly, it is hard to keep up in its propagation. Mail 90 cts.; Express 85 cts.

Crimson Rambler. The famous crimson-clustered climber. For many years the supreme novelty among trellis roses, and the forerunner of the splendid array of "Ramblers" now embraced in this class. Makes shoots 8 to 10 feet long in a season. Mail 90 cts.; Express 85 cts.

***Doctor Van Fleet.** One of the newer type of climbers which combines absolute hardiness with flowers large as in the Tea and Noisette class. This variety shows a mass of beautiful clustered buds, which open out into large, shapely flowers; delicate flesh white. An admirable cutting variety with stems 12 to 18 inches long. Mail \$1.00; Express 90 cts.

***Dorothy Perkins.** A beautiful shell-pink; foliage finer, smoother and darker than Crimson Rambler. This is unquestionably the thriftiest, showiest, and most practical of the older pink climbers; and trails its riotous clusters over more verandas, windows and trellises than any other one variety.

HARDY CLIMBING ROSES INCLUDING THE RAMBLER GROUP

Your yard or garden may be too small to warrant the outlay of space sufficient to express your appreciation of Roses in bush form. Hardy climbing types (which include those modern varieties called "Ramblers") need only a foothold; the long trails will twine and cling to any little trellis assistance and spread charming clusters over yards of wall space, will hang in festoons along eaves of your porch roof. Until mid-summer, stems and foliage are beautiful as vines; what they lack in this respect thereafter can be forgiven for the glory of the flowers they have borne.

See page 102 for Express prices.

*NEW HARDY CLIMBER

"PAUL'S SCARLET CLIMBER"

Winner of gold medal as best new climbing Rose, at National Rose Society's Exhibition. Flowers are scarlet, shaded crimson; large, semi-double. Corresponds with Cl. Am. Beauty, Dr. Van Fleet, etc., as to size, shape and habit. Blooms very long, holding in flower after many June bloomers have dropped their petals. The heavy 2-year field grown plants we offer demonstrate a wonderful Rose for trellis or pergola use. Mail \$1.25; Express \$1.15.



American Pillar

GENERAL COLLECTION

*American Pillar

One of the most valuable and attractive of the Hardy Climbers, flowering profusely in large, compact clusters. The single flowers range from 2 to 5 inches in width. Brilliant carmine rose, with a slight cream variegation and yellow stamens at center. Mail 90 cts.; Exp. 85 cts.



HARDY CLIMBERS

—Continued—

***Excelsa.** (Red Dorothy Perkins.) A radiant, blood-red cluster Rose, as free and double as Dorothy Perkins, of which it is the red prototype. The clusters are very large. Excelsa out-grows most of the Rambler Roses; has notably good clean foliage, and proves to be comparatively immune from disease.

***Goldfinch.** The best yellow Rambler to date. Flowers large, semi-double, in full clusters; a rich, lemon yellow. 90 cts.

***Hiawatha.** Its small flowers, deep ruby crimson accentuated by a white eye, are uniquely borne in long trails of 40 to 50 blooms.

***Mrs. C. W. Thompson.** Something new in hardy climbers, unlike anything heretofore offered. Not a rampant grower like D. Perkins, but full-leaved and substantial like the older Pillar Roses, with the shiny green foliage of the Wichouriana class. The individual flowers are unique in form, being perfectly quilled, full, small buttons, resembling nothing else so much in shape and deep pink color as a Pompon form of that unsurpassed old Dahlia A. D. Lévonia. These blooms are lavishly produced in dense clusters throughout an unusually long season, and aside from their beauty in the field, are splendid subjects for table and other inside decoration. Mail 90 cts.; Express 85 cts.

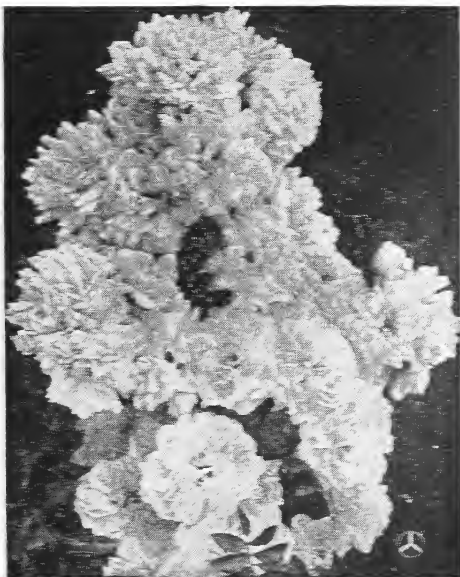
***Rosiere.** This splendid new Rose is derived as a sport from Tausendschön, and while showing exactly the same vigorous growth, clean foliage and great freedom of bloom as the parent, its flowers are a deep, glowing pink.



"The Rose of a Thousand Beauties"

***Tausendschön.** ("Thousand Beauties.") A rapid growing almost thornless climber showing the blood of Rambler, Polyantha and Tea parentage. Its innumerable flower clusters make a pretty show in June and July, at first one soft pink of Gailde Soupert, and later deepening to a bright carmine rose. Very vigorous, prolific climber, with plentiful and healthy foliage.

***White Dorothy.** A magnificent pure white clustered Rose, with good strong vigour and climbing habit, counterpart of the pink Dorothy Perkins. The vines are a sheet of white during their blooming period; probably the most satisfactory white hardy climber ever produced. Unless noted, by mail, 50 cts. each; \$7.50 per 10. By express, 75 cts. each; \$7.00 per 10.



White Dorothy



Mrs. C.W. Thompson

HYBRID POLYANTHA, FAIRY or BABY RAMBLER ROSES



Gruss an Aachen



Baby Tausendschön



Orleans

Baby Rambler. The original dwarf form of Crimson Rambler. The wonderful persistency of its bloom makes it one of the choicest plants in cultivation for summer bedding; and as an edging to borders of Shrubs, Roses or Perennials, it has no equal. 85 cts.

***Baby Tausendschön.** (Louise Welter.) Dwarf bushy growth; flowers large, semi-double, in pretty clusters; a prevailing flesh-pink color. Flower an exact counterpart of the beautiful climbing Rose Tausendschon. \$1.00.

***Ellen Poulsen.** A very free and vigorous type, with large, full and sweet scented clusters of dark pink.

Gruss an Aachen. Unusually large double flowers in full clusters, a unique and very pretty combination of pink, red and orange.

***Jessie.** Richmond red, and does not fade; make superb pot plants and is a good bedder. 80 cts.

***La Fayette.** A larger flowered break in the type, cherry-crimson. See full description under "Novelties." \$2.00.

***Orleans.** Geranium red, with a distinct center of pure white. Remarkably free blooming and of unexcelled keeping qualities; a great favorite. Although the flowers of this charming variety are numerous, they are not crowded; each individual bloom standing distinctly in pleasing arrangement. 80 cts.

***Red Orleans.** A sport from above, differing only in that the red is a deeper shade and more prevalent, the white center being consequently less distinct. \$1.00.

Triomphe Orleanaise. Much the same shade of crimson as Baby Rambler, but larger flowered.

White Baby Rambler. Its pure white flowers are perfectly double, and bloom with the unceasing freedom of the reds and pinks of this class.

Unless noted, by mail, 90 cts. each; \$8.50 per 10. By express, 85 cts. each; \$8.00 per 10.

"WILD" ROSES

Universally admired for their distinct, unforgettable fragrance, for the extravagant profusion of their pretty single flowers, and for the large, bright-colored berries which cling far into winter. Utilize for planting among shrubs, and to reclaim and cover waste ground.

Blanda. (Meadow Rose.) Slender, reddish purple branches almost thornless, with pale green, oval foliage. Bright rose, May-flowers.

Carolina. (Swamp Rose.) Hardy in either wet or dry soil; shrubby; pretty pink flowers.

Humilis. (Pasture Rose.) Ground cover; pink.

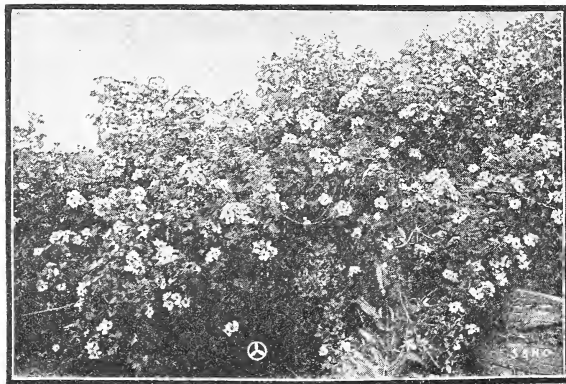
Lucida. The familiar red fruited "Wild Rose."

Multiflora. Strong growing, with long arching canes covered with white clusters in June.

Setigera. Useful for massing in picturesque hillside brambles; as borders to wildwood drives; as filling for corners; with shrubs, and as single specimens, bright rose red.

By mail, 80 cts. each; \$7.50 per 10.

By express, 75 cts. each; \$7.00 per 10.



The picturesque utility of Rosa Setigera

JAPANESE TRAILING ROSES

The evergreen, lustrous, dense and healthy foliage of this species make them indispensable for ground covering and shallow bedding. They bloom profusely during a long season and brighten the early winter months with conspicuous fruits and still green foliage. Although trailing in tendency, every variety yields readily to upright training.

***Rosa Wichuriana.** (Memorial Rose.) Handsome for covering rockeries, mounds or embankments; especially valuable for evergreen cemetery planting. The pure white single flowers appear in greatest profusion during the month of July.

HYBRID WICHURIANA

***Debutante.** Blooms freely under all conditions, presenting a fine show of pure white clusters.

***Evergreen Gem.** Phenomenal vigor, growing even during the milder periods of winter; numerous, creamy white flowers.

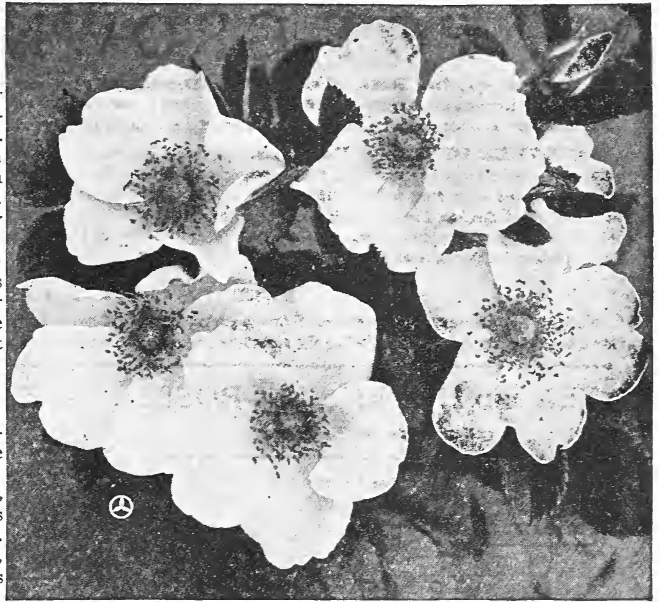
***Jersey Beauty.** Fragrant single flowers, in clusters. Pale yellow, with conspicuous tufts of bright yellow stamens.

***Manda's Triumph.** The flowers are pure white and very double, produced in clusters of from 10 to 12 each, literally covering the plant.

Pink Roamer. Large, single, in striking clusters; pink, with white center. One of the prettiest.

***South Orange Perfection.** Double flowers, about 1½ inches in diameter. Soft blush pink at the tips, white.

Sweetheart. Rosy pink, produced freely and continuing in bloom a long period of time.



Rosa Wichuriana (Memorial Rose)

***Universal Favorite.** A vigorous grower; flowers double, of a beautiful rose color; very fragrant.

By mail, 80 cts. each; \$7.50 per 10.

By express, 75 cts. each; \$7.00 per 10.

ROSA RUGOSA and its Hybrids

A valuable, perfectly hardy type much used in landscape work; the heavy wood and shrubby formation adapting it to hedges and hardy borders, or to mixed shrubby groups. The foliage is lustrous, dark green, usually corrugated, and is impervious to attacks of insect pests. Flowers are borne in clusters of varying size and construction, are succeeded by persistent fruits which carry their usefulness into winter.

Rosa Rugosa Rubra. Single flowers, rosy crimson; orange-scarlet fruits. Mail 80 cts.; Express 75 cts.

Rosa Rugosa Alba. Single white.

Belle Poitevine. Very free and branching, every tip laden with immense large pink bouquets. Buds very long; perfume exquisite.

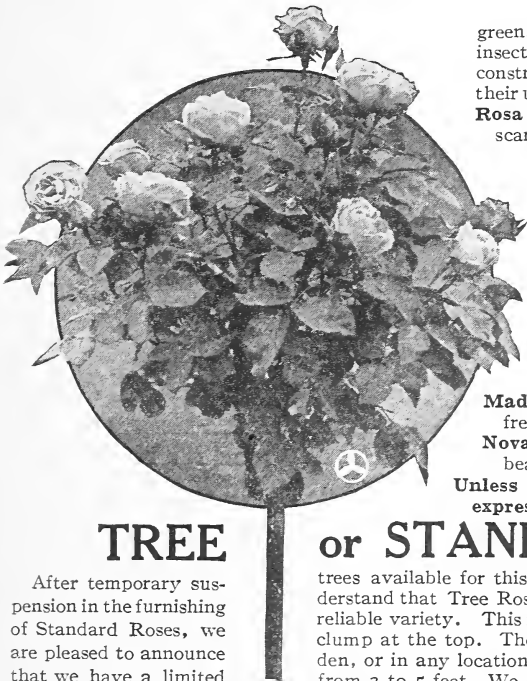
Chas. Fred'k Worth. Attractive, deep green foliage, denser and darker than the other Hybrids; flowers deep crimson with carmine shadings; fairly double.

Conrad Ferd. Meyer. An early flowering Hybrid combining the ornamental qualities of its Rugosa foliage with the blossom beauty and perfume of the Hybrid Perpetuals. Flowers large, cup-shaped and double; of a delicate silvery pink.

Mad. Georges Bruant. Semi-double pure white produce freely in showy clusters.

Nova Zembla. Similar in character to C. F. Meyer, with beautiful pure white flowers.

Unless noted, by mail, 90 cts. each; \$8.50 per 10. By express, 85 cts. each; \$8.00 per 10.



TREE

or STANDARD ROSES

After temporary suspension in the furnishing of Standard Roses, we are pleased to announce that we have a limited supply of well grown

trees available for this spring's delivery. We presume most of our patrons understand that Tree Roses consist of a single upright stem top-grafted to some reliable variety. This reveals all the foliage and all the bloom in a rounded clump at the top. They are very useful as borders to walks in a formal garden, or in any location where the show of bloom is desired at an elevation of from 3 to 5 feet. We offer them in Pink, White, Red, and Yellow—all free blooming varieties. **By express, \$2.00 each; \$17.50 per 10.**

SEE COMPLETE PRICE LIST OF ROSES ON PAGE 102



POT-GROWN ROSES



All of the hardier sorts, of which the larger part of stock has been raised in the open ground, will be found separately listed under a preceding section devoted to "Field Grown Roses." Wherever duplicated under this heading, the variety in each list is preceded by a (*) star.

CULTURE OF ROSES IN POTS. For house culture the various types of Everblooming Roses will give a succession of bloom if treated in the following manner: Drain the pots well with broken bits of crock; mix one part of well-rotted cow manure with two parts of light, friable soil, and press firmly about the roots in potting. Keep well watered during the summer, more scantily in fall and winter. Pinch off all flower-buds until winter, and then give all the sunlight possible. Keep your plants clean and growing. About 60 degrees is the best temperature for window or general indoor culture.

THE VARIOUS CLASSES

Offered in 2 year stock from 4 inch pots, and in 1 year from 2½ inch pots. Price per dozen is 10 × single rate in each case. No distinction between mail and express price.

TEA AND HYBRID TEA ROSES

For Pots or Bedding

| | 2½ in. | 3 in. |
|---|--------|--------|
| Blumenschmidt. Pure citron yellow edged tender rose on outer petals..... | \$0.20 | \$0.50 |
| * Columbia. A beautiful, true pink; deepening as it matures to a warm, glowing tone, which is enduring. | .25 | .60 |
| *Gruss an Teplitz. Intense depth and richness of color; velvety crimson red..... | .20 | .50 |
| * Madame Butterfly. (Tea.) The countless admirers of Ophelia will appreciate this new variety, its offspring. All the color tones of Ophelia are intensified; making it a symphony of bright pink, apricot and gold. As between the two, Madame Butterfly is fuller-petaled, more prolific, and of greater color appeal. The buds are a rich Indian red, yellow at base..... | .25 | .60 |
| Mad. Francesca Krueger. Large flowers of coppery yellow..... | .20 | .50 |
| Mamam Cochet. Rose pink..... | .20 | .50 |
| *Mrs. Aaron Ward. Small dainty flowers; golden orange, shading to cream..... | .25 | ..... |
| * Premier. A seedling of Ophelia and Russell, favoring the latter in style, and holding a clear, rich shade of rose-pink throughout the season. A splendid forcing variety with stiff, almost thornless stems..... | .25 | .60 |
| *Radiance. A beautiful blending of carmine rose with opal and copper shades..... | .20 | .50 |
| *Red Radiance. Same form and habit, deep carmine..... | .20 | .50 |
| *White Killarney..... | .20 | ..... |
| White Mamam Cochet..... | .20 | ..... |

HYBRID POLYANTHA ROSES

or "BABY RAMBLER" GROUP

| | 2½ in. | 3 in. |
|---|--------|--------|
| Baby Doll or "Tip-Top." Golden yellow, tipped cerise. A wonderful little bouquet Rose..... | \$0.25 | \$0.60 |
| *Baby Tausendschön. White and pale pink.. | .25 | .60 |
| Echo. Dainty, semi-double bluish white..... | .30 | .60 |
| Edith Cavell. A free-flowering brilliant crimson, with white eye..... | .25 | .60 |
| *Ellen Poulsen. A very free and vigorous type, with large, full sweet scented clusters of dark pink..... | .20 | .50 |
| Greta Kluis. One of the prettiest newer sorts; deep carmine pink..... | .30 | .60 |
| *Jessie. Richmond red; a reliable sort..... | .20 | .50 |
| * La Fayette. Unlike any predecessor; 3 inch brilliant cherry crimson flowers in immense branching sprays. A remarkable and valuable kind in any capacity..... | .50 | 1.00 |
| *Orleans. Flowers are strikingly handsome; a warm Geranium red with center of pure white..... | .20 | .50 |
| *Red Orleans. Shows less center and deeper red color than above..... | .30 | .60 |

MISCELLANEOUS NOVELTIES

| | 2½ in. | 3 in. |
|--|--------|--------------|
| Hugonis. A remarkable and very valuable briar rose brought in from China. Grows and spreads quickly to as much as 6 feet at maturity. Blooms extravagantly in May full length of last year's shoots. Flowers single, ranging from deep gold to canary with conspicuous stamen tufts | \$0.35 | ..... |
| * Souv. de Claudius Pernet. The latest masterpiece of the great French grower Pernet-Ducher. Long buds, large flowers, fast color, all-over sunflower yellow.. | ..... | 4 in. \$1.00 |

HARDY CLIMBING ROSES

For Pillars and Trellises

| | 2½ in. | 3 in. |
|---|--------|--------|
| * American Pillar. Large single flowers carmine-rose, with cream and yellow center.... | \$0.25 | ..... |
| * Climbing American Beauty. Hardy Hybrid Tea; magnificent pink climber | .20 | ..... |
| * Dr. Van Fleet. Delicate flesh white; flowers large in fine cutting clusters..... | .30 | ..... |
| * Dorothy Perkins. Dense clusters of double pink flowers, fluted petals..... | .20 | ..... |
| * Excelsa. Blood red; strong climber..... | .20 | ..... |
| * Gold Finch. Buds rich lemon yellow, open flowers a trifle lighter..... | .20 | ..... |
| * Hiawatha. Deep ruby crimson, with white eye; small flowers, big clusters..... | .25 | ..... |
| Lady Gay. Cherry-pink and white..... | .20 | ..... |
| * Mrs. C. W. Thompson. Very double pom-pom flowers in clusters; deep pink..... | .30 | ..... |
| * Paul's Scarlet Climber. Very large semi-double flowers of crimson scarlet in great abundance. Remains in bloom longer than most..... | .25 | \$0.60 |
| * Rosiere. Deep glowing pink..... | .25 | .60 |
| Silver Moon. Four to five inch pure white with thick clusters of yellow stamens..... | .25 | ..... |
| * Tausendschön. Soft pink and carmine intermingled with white..... | .25 | ..... |
| * White Dorothy. Best white climber..... | .20 | ..... |

WICHURIANA and its HYBRIDS

Trailing, Ground Covering, etc.

| | 2½ in. | 3 in. |
|--|--------|-------|
| * Rosa Wichuriana. (Memorial Rose.) Single white flowers, lustrous foliage..... | \$0.20 | ..... |
| * Debutante. Profuse white clusters..... | .20 | ..... |
| * Evergreen Gem. Dense, bronzy green foliage; double flowers creamy white. A fine ground cover..... | .20 | ..... |
| * Jersey Beauty. Fragrant single flowers in clusters, with prominent tufts of yellow stamens..... | .20 | ..... |
| * Manda's Triumph. Double; pure white in large numerous clusters..... | .20 | ..... |
| * South Orange Perfection. Perfect double flowers; soft pink at tips, changing to white. | .20 | ..... |
| * Universal Favorite. Double, very fragrant; a beautiful rose-pink..... | .20 | ..... |



THE OLD FASHIONED HARDY GARDEN

Why. Perennials are planted, essentially, for their yield of flowers. With the right selection of classes and varieties, our garden plots may be kept bright and cheery with bloom from before the first robin's song in spring, until Nature herself gives up the gracious task in early winter.

When. These roots may be planted as early in spring as the ground is pliable (or in the autumn); selecting an opportunity when the soil is not cold, wet or soggy. Large clumps are not necessary nor often desirable; the smaller divisions or pot grown stock showing more thrift and virility, and developing into shapelier plants than the bulkier old roots.

Where. Proper **location** and intelligent distribution are important items and should receive serious consideration. Any good **soil** sensibly enriched with rotted manure, bone meal or sheep manure as available, dug deep and thoroughly mixed, will be satisfactory.

Various coarse-leaved, tall growing sorts, such as Anchusas, Boltonias, Cassia, Hollyhocks, Golden Glow, Mallows, Sunflowers, etc., should of course be located in the **background**. The **front** of the border should be laid out in the dwarfiest growing kinds, such as Achillea, Columbines, Shasta Daisies, Euphorbias, Gaillardia, Heuchera, Hypericum, Dwarf Lychnis, Forget-me-nots, Plumbago, Iceland Poppies, Sedums, etc. **Intermediate** rows will take care of the great majority of perennials; the principal requirement in their location being to so dispose that colors will not clash, nor be unequally distributed. The matter of variation in **blooming season** should also affect location, in order to have no material section of the garden without some show of color at any time of the year. Thoughtful study of succeeding pages with these matters in view will pay its own reward.

How. SPACING. In planting perennials, it is generally safe to space those varieties which do not grow above two feet, about 12 inches apart; the taller ones at an interval one-half the ultimate height. Crowded or stingy planting are equally disastrous to healthy growth and perfect effect.

CULTIVATION. Don't let up with the hoe! Keep the ground well cultivated, leveled and free from litter; except during protracted drought, a little mulch of short grass (sweepings from the lawn) will help retain moisture and keep the soil from baking.

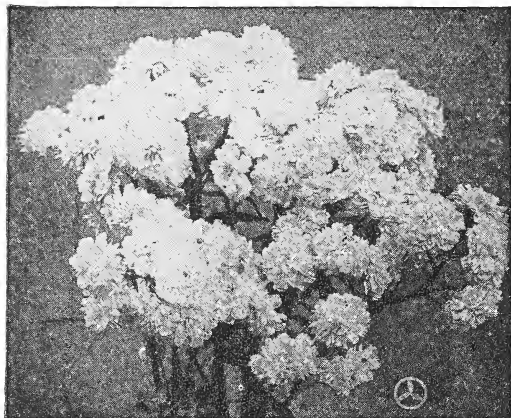
TRAINING. Judicious "staking" at an early date will adjust many later defects of top-heaviness or unequal development. If done early, the correction and support will be absorbed; after maturity, any alteration would appear abnormal and unsightly.

TIDINESS goes a long way towards an attractive garden. Snipping a broken twig; an untanglement here and there; removing withered leaves, dead flower stems, etc., will repay the odd moments of time and attention.

DIVIDING. The earliest flowering types are generally dwarf, compact and close rooted; these may be left undisturbed for several years. The tall sorts of late summer and fall are fast growing and prolific; it will be found a positive advantage to quality of bloom and general appearance, if these are taken up, divided, and a part only replanted, at least every second year.

WINTER PROTECTION. Everything listed in this section is "hardy," but in varying degree. For instance, Tritomas, Poppies and Shastas really need some protection. A light covering of coarse straw manure or leaves (not over 2 or 3 inches deep) will give comfort to all kinds, and ensure safety for the weak. After removing all stems and dead foliage, during the last days of November, or before severely cold weather sets in, apply this dressing, remembering to remove it gradually next spring, as soon as frost begins to leave the ground.

GENERAL ASSORTMENT of HARDY BORDER PLANTS



Achillea, Boule de Nieve

Achillea, Boule de Nieve. (Ball of Snow.) A valuable dwarf perennial, erect and compact, with full ball shaped flowers; pure white. 15 cts.; \$1.50 per dozen. By express, \$10.00 per 100.

Alyssum Saxatile Compactum. (Golden Tuft.) A useful little border and rockery plant, growing not over 12 inches high; covered with enveloping flat clusters of bright golden-yellow flowers early in summer. 20 cts.; \$2.00 per dozen. By express, \$10.00 per 100.

ANCHUSA DROPMORE. A bold, broad leaved growth, and flower stems 3 to 5 feet high, bearing a continuous show of deep blue flowers from spring until late summer. The stools are quite dense and bushy, each stem nearly covered full length with double, inch wide flowers, of the deepest cobalt blue. 25 cts.; \$2.50 per dozen.

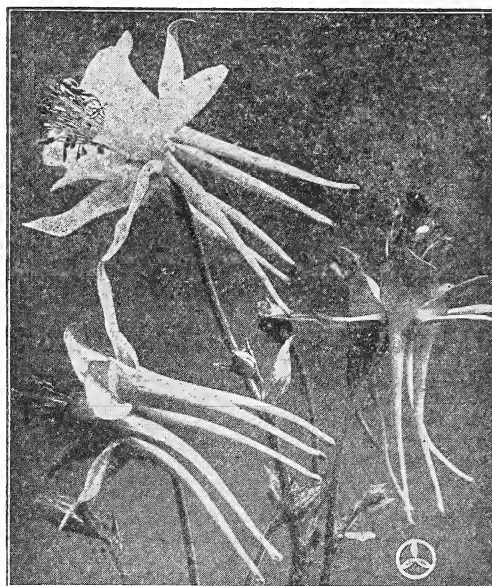
ANEMONE JAPONICA. (Wind Flowers.) A valuable class, suitable for edging, massing or single specimens. They grow rapidly 2 to 3 feet, and are profuse in bloom, gaining strength and beauty each year. The blooming period extends from August till mid-November, the large open flowers furnishing abundant cut-flowers and brilliant field display.

- Lady Ardilaun.** Pure white.
 - Queen Charlotte.** Abundant semi-double flowers broad and perfectly formed; "La France" pink.
 - Rubra.** Showy rose-color, yellow center.
 - Whirlwind.** Excellent double white flowers.
- Anemones, 25 cts.; \$2.50 per dozen. By express, \$18.00 per 100.

Anthemis Kelwayi (Hardy Marguerite). An excellent and profitable perennial for cutting; its daisy-like flowers appearing in profusion, practically all summer. Golden-yellow, 2 ft. 20 cts. each; \$2.00 per doz.

AQUILEGIA (Columbine.) The distinct, clear-cut foliage and delicate arrangement of colors make it one of the most desirable of the hardy garden plants; especially suitable for rock-work, at the base of foundation walls and under trees. Bloom in early spring.

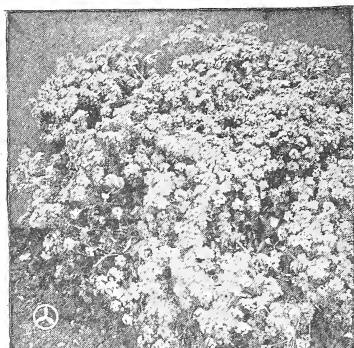
- Caerulea.** Dainty blue and white.
- Canadensis.** Bright red and yellow.
- Chrysanth.** The "Golden Spur" Columbine.
- Chrysantha Alba.** Beautiful double white.
- Long Spurred Pink.** An American novelty introduction bringing to the Columbines a hitherto unknown shade. Color is distinct, creating an altogether delightful effect with its warm daybreak pink. 25 cts.; \$2.50 per dozen.



Long Spurred English Columbine

- Mrs. Scott Elliot's Long Spurred Hybrids.** An English strain producing many shades and combinations in purples, blue, red and yellow.

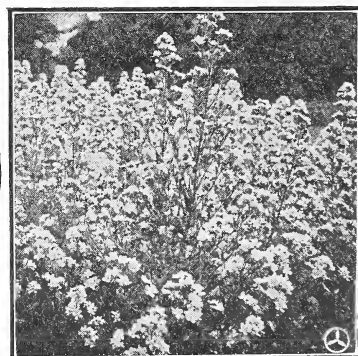
Aquilegias, except as noted, 20 cts. each; \$2.00 per doz. By express, \$15.00 per 100.



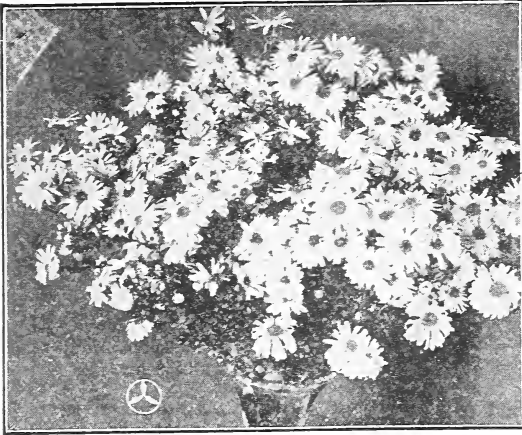
Alyssum Saxatile Compactum



Anemone Japonica



Anchusa Dropmore

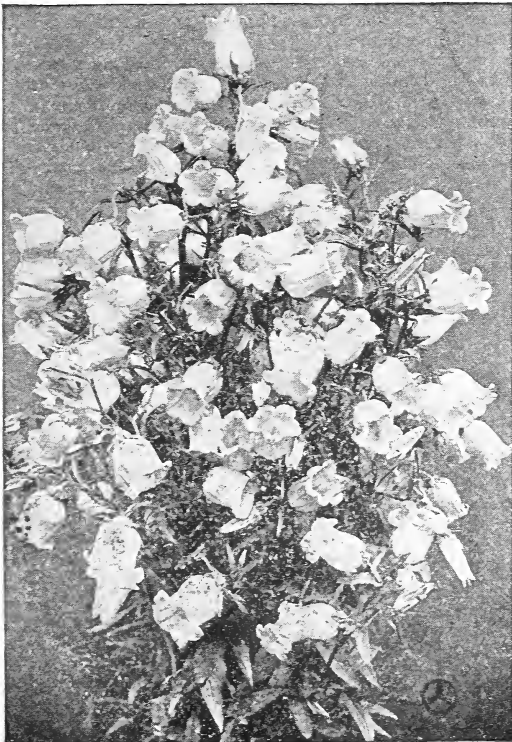


Aster Climax

Armeria Maritima Splendens. (Cushion Pink.) Dwarf, compact, and almost evergreen, evenly rounded into grassy cushions; the flowers numerous, in little solitary balls of pink on wiry, 14 inch stems. 20 cts. each; \$2.00 per dozen.

Artemisia Lactiflora. Deep green, cleft foliage and compact bush shape; in bloom during August and September. The creamy white flowers, which resemble Herbaceous Spireas and are sweetly scented, are borne in large terminal panicles on erect stems 3 to 4½ feet tall. 20 cts. each; \$2.00 per dozen.

Asclepias Tuberosa. (Butterfly Flower.) A familiar field flower; the cultivated form making a delightful show of orange flowers during early summer. 2½ feet. 20 cts. each; \$2.00 per dozen.



"Canterbury Bells"

HARDY ASTERS

The "Michaelmas Daisies" are a very useful and attractive family of perfectly hardy perennials, largely used by landscapers, to provide masses of foliage and bloom throughout the fall. They give a wide range of selection as to height, character, season and color.

Laevis. A splendid light blue variety. 4 feet.

Novi Belgii Climax. (New.) Stands 4 feet high with much branched, pyramidal clusters of light lavender blue flowers from August to mid-October. These flowers average 1¼ inches in width, with a prominent golden cone at center, and cover upper half of plant. 25 cts. each; \$2.50 per dozen.

— **White Climax.** A white Aster so nearly attaining the desirable characteristics of the above, as to be given its name. 25 cts. each; \$2.50 per dozen.

Tartarica. Very broad, long bottom leaves, diminishing in size towards top of stalk. Blooms in October; bright purple. 5 feet.

Thos. S. Ware. Delicate blue. 3 to 4 feet.

Top Sawyer. Clear Parma violet. 4 feet.

Trinervus. Deep violet-purple, in bloom during October and November. 2½ feet.

White Queen. Dwarf; good cutting sort; creamy white, with twisted petals. 2½ feet.

All Asters, except noted, 20 cts.; \$2.00 per dozen.



"Cup and
Saucer"
Canterbury
Bells

CAMPANULA

(Bellflower)

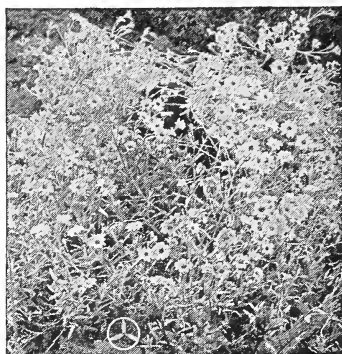
Its various types are among the most beautiful border plants in cultivation, very free of bloom, and adapted to any garden soil.

Calycanthema. ("Cup and Saucer.") Hardest and most popular form. Single cup-shaped flowers, 3 inches long, set in saucer-like calyx, 3 to 4 inches across; entire flower of one color. Very productive. We offer three separate colors, **Blue, Rose or White.**

Media. The well known "Canterbury Bells;" its numerous branches crowded with deep bells, the edges softly rolled back and fluted. In July, height 2 to 3 feet. **Blue, Rose or White.**

All Campanulas, 20 cts.; \$2.00 per dozen.

By express, \$15.00 per 100.

**Boltonia Latisquama****Centaurea Montana****Cerastium Tomentosum****Artemisia Lactiflora (P. 115)****Coreopsis****Shasta Daisy**

Baptisia Australis. (False Indigo.) Deep blue flowers in pretty racemes during June and July. 2 feet. 20 cts.; \$2.00 per dozen.

Boltonia. (False Chamomile.) Bushy plants, 5 feet high, with Aster-like flowers, profusely covering the entire plant during late summer.

—**Asteroides.** White. 15 cts.; \$1.50 per dozen.

—**Latisquama.** Lavender pink. Large sprays make good cut-flowers. 15 cts.; \$1.50 per dozen.

Caryopteris Mastacanthus. (Blue Spirea.) A fine bushy border plant growing about 3 feet high; from September until frost, covered full length of the stems with attractive umbels of lavender blue. Not entirely hardy in the north and should be heavily protected. 20 cts. each; \$2.00 per dozen.

Centaurea Montana. (Perennial Corn Flower.) Grows 2 feet high, bearing large, loose-petaled flowers of violet-blue from July to September. 20 cts.; \$2.00 per dozen.

—**Alba.** White flowered; same price.

Cerastium Tomentosum. ("Snow-in-Summer.") A low growing rocky or carpet plant, with silvery foliage and white flowers. 20 cts.; \$2.00 per dozen. By express, \$12.00 per 100.

Coreopsis Lanceolata Grandiflora. Flowers are rich golden yellow, borne in great profusion nearly the entire summer. 15 cts.; \$1.50 per dozen. By express, \$10.00 per 100.

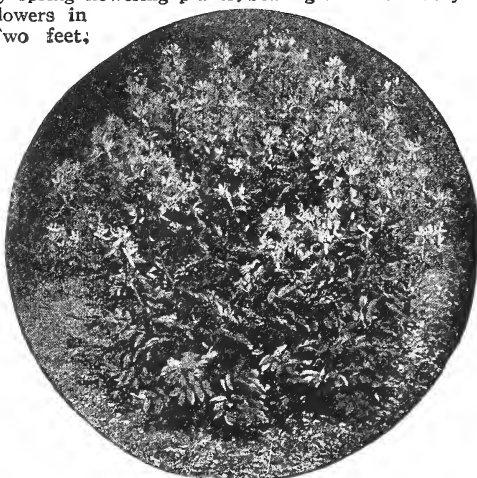
Shasta Daisy. A rigorously selected mixture of Burbank's new sorts Alaska and Westralia; giving us different form and much larger flowers ranging in shape from fully double to single; and in color, from pure white to pale lemon yellow—some solid, some prettily variegated with yellow discs. Plants are extremely productive of bloom, making as spectacular a field show and as profitable a cut-flower supply as any Hardy Perennial grown. 15 cts.; \$1.50 per dozen. By express, \$10.00 per 100.

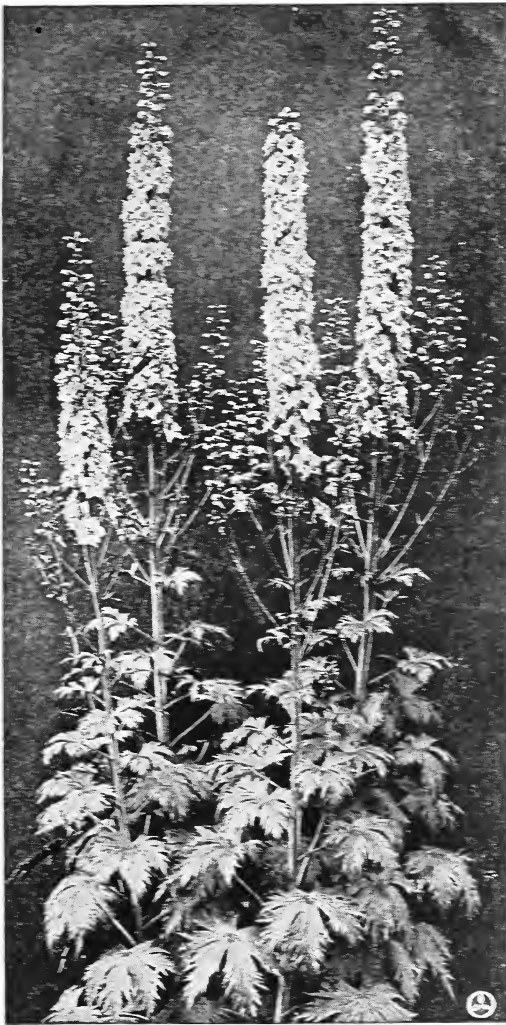
DICENTRA. (Bleeding Heart.)—**Spectabilis.** One of the most delightful of all the early spring flowering plants, bearing numerous rosy red, heart-shaped flowers in drooping racemes. Two feet; 50 cts.; \$5.00 per dozen.

—**Eximia.** Compound racemes of deep rose, the heart shaped flowers tapering to a long slender neck. Foliage is especially attractive. 25 cts. each; \$2.50 per dozen.

Dictamnus Rubra. (Gas Plant.) A somewhat shrubby, rounded bush growing to three feet, with fragrant foliage and spikes of curious red flowers. 25 cts. each; \$2.50 per dozen.

—**Alba.** White flowered. This variety is quite showy when in bloom. 25 cts.; \$2.50 per doz.

**Dictamnus Alba**



Hardy Larkspur

Delphinium. (*Perennial Larkspur*.) Indis-

pensable to the herbaceous garden. Their long, showy spikes of flowers persist from June till frost and furnish the most satisfactory blues to any color scheme.

- Belladonna.** A magnificent new sort, unrivaled for continuance of bloom, with large spikes of the most delicate turquoise-blue. July till frost.
- Bellamosa.** A very dark blue variety, of particular value because this shade has been so scarce the past few years.
- Gold Medal Hybrids.** Vigorous, free blooming, with flower spikes 2 feet long. Grand assortment of colors ranging from lightest blue to purple.
- Chinensis.** Dwarf growth; foliage small and deeply cleft; flowers loosely panicle; bright dark blue.
- Alba.** White form of above.
- Alpina.** Dwarf growth; small fine foliage; flowers purplish blue.

20 cts. each; \$2.00 per dozen.

By express, \$15.00 per 100.

Eupatorium Coelestinum. All-covering cymes of pretty purplish blue. Ageratum-like flowers. 2 feet. Blooms Aug.-Oct. 20 cts.; \$2.00 per dozen.

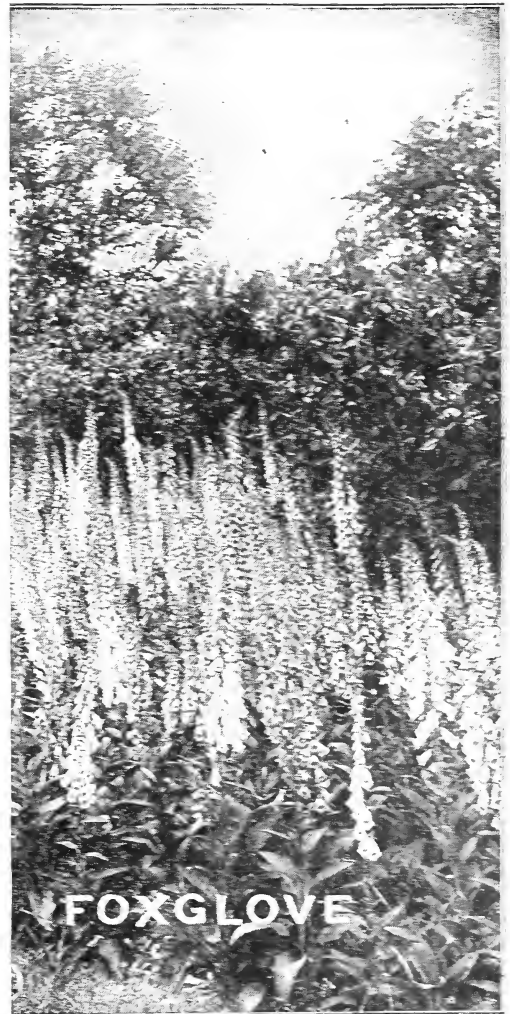
Digitalis. Foxglove. A grand display of thimble-shaped flowers in immense spikes during July and August. Tall, growing with large, rough foliage. Separate colors: Purple, White or Rose. 20 cts.; \$2.00 per dozen.

Euphorbia Corollata. Flowering Spurge. A branching, low-growing plant with fine stems and foliage, later-



Euphorbia Corollata

ally covered from June to August with loose umbels of pretty white flowers. Good for cutting in long sprays and one of the most charming mist-flowers to mix with bouquets of Larkspur, Geranium, etc. 20 cts.; \$2.00 per dozen.



FUNKIA. Very substantial plants valued as much for their conspicuous foliage as for their flowers. They are also among the very few really choice perennials which accept a shady location without protest.

—**Sub-Cordata.** (Day Lily.)

Wide circles of broad leaves. Flowers large, waxy white, fragrant, borne in large trusses. 20 cts.; \$2.00 per dozen. \$15.00 per 100 by express.

—**Undulata Variegata.**

Graceful leaves having a fluted white edge. Makes a splendid edging plant. 20 cts.; \$2.00 per dozen. \$12.50 per 100 by express.

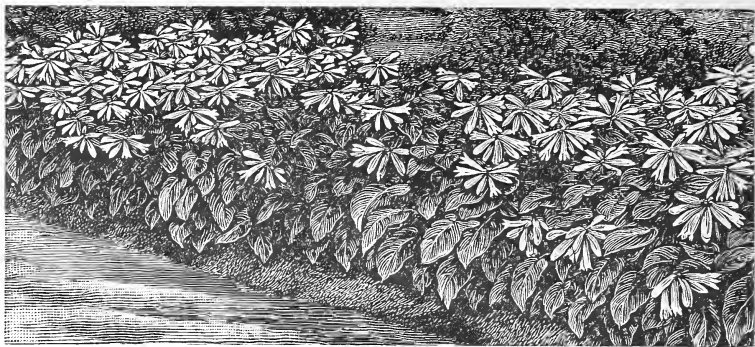
—**Glaucia.** Large oval leaves, with long racemes of pale lilac, funnel-shaped flowers. 25 cts.; \$2.50 per dozen.

—**Sieboldi.** Medium sized leaves tinted a strong metallic blue, with low set racemes of bluish white flowers. 20 cts.; \$2.00 per dozen.

Gaillardia Grandiflora. (Blanket Flower.) One of the most gorgeous, and prodigal displays of all perennials, providing an un-
failing supply of bloom, in those rich, tawny shades so highly prized. Flowers often measure 3 inches in diameter, on clean 2 foot stems. A hard center of deep maroon, is thickly bordered by petals of orange and yellow, strikingly ringed by circles of crimson, red and maroon. 20 cts.; \$2.00 per doz. By express, \$15.00 per 100.



Hardy Zebra Grass



Funkia Sub-Cordata

Geum Mrs. Bradshaw. Brilliant, beautifully ruffled scarlet flowers, resembling Carnations, on long slender upright stems. 1½ feet. June to September. 20 cts.; \$2.00 per dozen.

Gypsophila Paniculata. (Baby's Breath.) Good for cutting as well as for borders. Flowers are minute but myriad, pure white, produced in immense fluffy panicles. 20 cts.; \$2.00 per dozen. By express \$15.00 per 100.

HARDY GRASSES. In the laying out of lawns and gardens a few of these beautiful hardy grasses should not be overlooked. Their graceful, sinuous yielding to every wind gives animation to gardened landscapes too apt to look "fixed."

—**Eulalia Gracillima Univittata.** (Japan Rush.) Narrow green leaves with a silvery white midrib, perfectly hardy. 20 cts.; \$2.00 per dozen.

—**Japonica Variegata.** Long narrow leaves, striped with green and white. 20 cts.; \$2.00 per doz.

—**Japonica Zebrina.** (Zebra Grass.) Leaves crossed every two or three inches by a band of yellow half an inch wide. 20 cts.; \$2.00 per dozen.

—**Phalaris Arundinacea Variegata.** (Ribbon Grass.) Green leaves, striped lengthwise with creamy white. 1½ to 2 feet. 20 cts.; \$2.00 per dozen.

HELENIUM—Bigelovii. Quick growing, branching plants, 2 to 3 feet; quite showy during August with terminal clusters of 1½ inch, deep yellow flowers; brown centered. 20 cts.; \$2.00 per dozen.

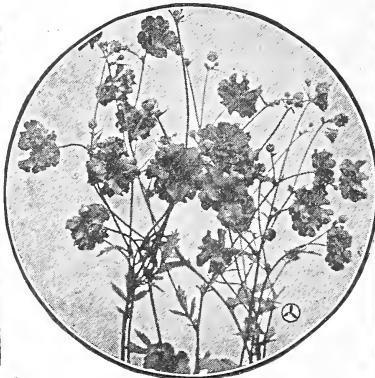
—**Autumnale Superbum.** Good sized, golden yellow flowers during late summer and fall, the plant attaining about five to six feet. 20 cts.; \$2.00 doz.

—**Rubrum.** A new derivation from above, with very striking flowers of terra cotta red. 4 feet. Aug. Sept. 20 cts.; \$2.00 per dozen.

—**Riverton Gem.** Old gold gradually changing in streaks to wall-flower red. 20 cts.; \$2.00 per dozen.



Gaillardia



Geum



Gypsophila

**Helianthus Multiflorus Plenus**

HELIANTHUS (Sunflower)

Hardy and quick growing, available for medium to tall location. The flowers average from 3 to 5 inches in diameter, of various pretty shapes and shades of yellow. Foliage and growth of each is entirely distinct; can be adjusted to other perennials for striking foliage effects.

Maximilliana. Immense single flowers, rich golden yellow, center reddish brown. Very dark green, lanceolate, drooping foliage, late bloom. 5 to 7 feet.

Miss Mellish. Large wavy single flowers, very free; clear yellow. 20 cts.; \$2.00 per dozen.

Mollis Grandiflorus. Light lemon yellow. Foliage large, rounded, silvered and quite hairy. 4 feet.

Multiflorus Plenus. Very double, yellow. This is the most serviceable of the compact types for cutting. 4 feet. 20 cts.; \$2.00 per dozen.

Wolly Dod. One of the best single sunflowers; good rich yellow. September.

Except as noted, 15 cts.; \$1.50 per dozen. By express, \$10.00 per 100.

HELIOPSIS EXCELSA

Bushy perennials seldom over three to four feet high, lavishly covered with charming 2 inch double flowers during six weeks of mid-summer. The color is chrome yellow, bleaching to clear yellow as flower matures. 25 cts.; \$2.50 per doz.

HIBISCUS (Mallow)

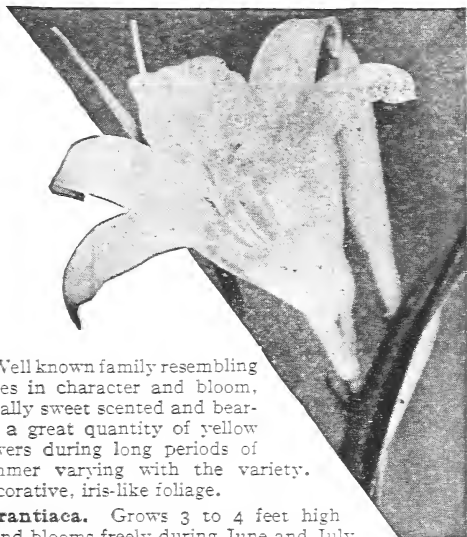
Moscheutos. The fine old Swamp Rose Mallow. Large purplish pink flowers with large dark eye. Four to five feet. 20 cts.; \$2.00 per dozen.

Crimson Eye. Immense flowers of purest white, with large centers of velvety crimson. 20 cts.; \$2.00 per dozen.

"Mallow Marvels" See page 120

HEMEROCALLIS

(Yellow Day Lilies)



Well known family resembling Lilies in character and bloom, usually sweet scented and bearing a great quantity of yellow flowers during long periods of summer varying with the variety. Decorative, iris-like foliage.

Aurantiaca. Grows 3 to 4 feet high and blooms freely during June and July. Flowers large, trumpet shaped; orange, with bright yellow stamens and reverse. 25 cts.; \$2.50 per dozen.

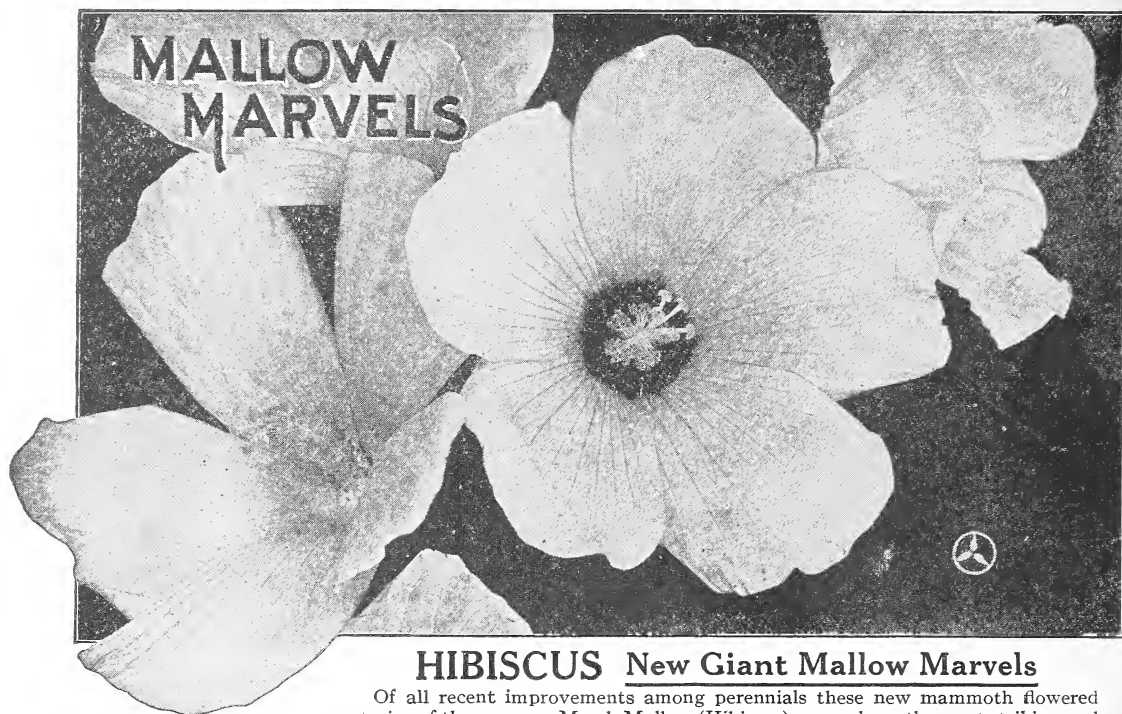
Luteola. Fine large orange yellow flowers, 2½ ft.

Middendorffii. Dwarf growing, with clusters of tiny flowers 5 to 6 inches long; bright yellow.

Thunbergi. Funnel-shaped flowers of buttercup yellow in July. 4 feet.

Unless noted, 20 cts.; \$2.00 per dozen.

**Single Helianthus**



HIBISCUS New Giant Mallow Marvels

Of all recent improvements among perennials these new mammoth flowered strains of the common Marsh Mallow (Hibiscus) are perhaps the most striking and notable. The colors are wonderfully intensified, the size of flower (10 to 12 inches across) greatly expanded, the blooming season lengthened and the strength of growth increased. These giants approach the dignity of shrubs—often reaching 10 feet in height—and are so vividly showy in their bloom as to demand a place in every large planting. Singly, in groups by themselves, or mingled with shrubbery of any kind, and in any kind of soil, they are a delight to the eye and a satisfying subject wherever a tall, shrubby plant is required.

—**Red Mallow Marvels.** Shades of red. 25 cts.; \$2.50 per dozen.

—**Mixed Marvels.** 15 cts. each; \$1.50 per dozen.

HOLLYHOCKS

This stately old plant is truly "King of the Garden." Hollyhocks inject so much of color and life and picturesqueness into tall backgrounds with their gorgeous, densely-set pillars ranging in height from 4 to 7 feet, ablaze throughout the summer.

Double Flowered. Large rosettes of paper-like tissue, very compactly layered. We offer them in the following separate colors: **Crimson, Black, Yellow, White, Maroon and Pink.**

Mammoth Fringed. Extra large flowers semi-double and single, petals finely curled and fringed; colors shell-pink, rose, and ruby-red. Mixed colors only.

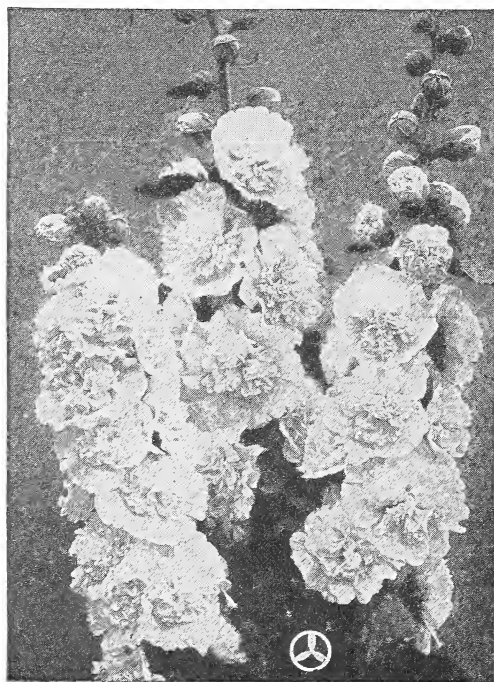
All Hollyhocks 15 cts. each; \$1.50 per dozen. By express, \$10.00 per 100.

Hyacinthus Candicans. 20 to 30 white, pendant, bell-shaped flowers on stalks 3 to 4 feet high. Blooms early and till late fall. Should be heavily mulched as winter protection. 10 cts.; \$1.00 per dozen.

Hypericum Moserianum. (Gold Flower.) Forms a shrubby, recumbent bush, 2 to 2½ feet high, of slender, well-branched stems. Single, 2 inch, bright golden flowers. 20 cts.; \$2.00 per dozen.

Iberis Sempervirens. Hardy white Candytuft. The foliage is dark, shiny and persistent; the bloom all-covering and long-seasoned. 25 cts.; \$2.50 per dozen. By express, \$15.00 per 100.

—**Gibraltarica.** Good sized, lilac-colored bloom. 20 cts. each; \$2.00 per dozen.



S. & H. Co. Double Hollyhocks

GERMAN IRIS

Iris Germanica. The "Fleur de Lis" of France, and well-beloved favorite in every old-time garden. Although capable of establishment in any kind of soil, they will attain greater perfection of growth and flowering in a damp or marshy situation. The exquisite, haunting fragrance and delicacy of tinting in their flowers makes their spring advent a source of keenest pleasure; and their departure—all too soon—an equally keen regret.

Alcazar. Very large, broad petals. Standards pale lilac blue with golden-bronze throat; falls rich violet purple. 30 cts. each; \$3.00 per dozen.

Candelabra. Large and striking. Standards light mauve dusted with violet; scapes silvery white. Falls perfectly limp with sharply defined veins converging to a solid blotch of almost black violet at the ends. 30 cts. each; \$3.00 per dozen.

Caprice. Would be distinct and noticeable in any collection; a choice variety with the distinctive fragrance of bruised grapes. Flowers large and rounded, rich, rosy-lilac, a little darker in the falls. 30 cts. each; \$3.00 per dozen.

Eldorado. One of the newer bronze sorts; with fiery opalescent standards, and old gold falls splashed with burnt purple. 30 cts. each; \$3.00 per dozen.

Isolene. Standards pale lavender; falls light purple over-laid brown; beard yellow. 25 cts. each; \$2.50 per dozen.

Jeanne d'Arc. A delicate, dainty sort of good size and form; white with edges partly checked and scapes heavily suffused in violet. 25 cts. each; \$2.50 per dozen.

Lohengrin. One of the choicest of the *Pallida* type, tall and strong growing. Flowers very large and refined, uniformly colored a soft shade of Carthage rose, except for a weakening to almost white at the claws. 30 cts.; \$3.00 per dozen.

Magnifica. Warm amber bronze, with yellow interior; falls mahogany red, edged and sharply veined at base in yellow. 30 cts. each; \$3.00 per dozen.

Maori King. Short and compact growth, very free bloom. Standards rich golden yellow, closely incurved; falls velvety red-brown, distinctly feathered. The best of many similarly marked varieties. 30 cts.; \$3.00 per dozen.

Monsignor. A distinct and very desirable variety, stately in growth and massive in bloom; the somberness of its darkly veined crimson purple color enlivened by gleaming white rays in the standards. 25 cts.; \$2.50 per dozen.

Mrs. Reuthe. Standards milk white, tinged and faintly checked with pale lilac; falls ivory, with similar reticulation. 30 cts. each; \$3.00 per dozen.

Nibelungen. So fawn; F. violet, with fawn margin; a handsome variety. 25 cts.; \$2.50 per dozen.

Pallida Dalmatica. A rare, delightful variety, especially fine for massing as well as for cutting. Tall growing; with very large full-formed flowers of soft lavender; the falls being of deeper hue. 25 cts. each; \$2.50 per dozen.

Queen Alexandra. Rosy lavender suffused with fawn; the falls deep lilac with bronze reticulations. 30 cts. each; \$3.00 per dozen.



Rhein Nixe. Although dainty, and of delicate hue and texture, this recently new kind is quite conspicuous. White; the falls heavily blotched and feathered purple; large golden beard. Makes a fine companion for Loreley. 25 cts. each; \$2.50 per dozen.

Tamerlane. Very heavy foliage and late bloom; F. deep purple. S. light blue. 30 cts.; \$3.00 per dozen.

Zephyr. A handsome, large flowered sort allied to the *Pallida* species; entire flower clear blue-lilac. 30 cts. each; \$3.00 per dozen.

INTERMEDIATE IRIS

Handsome, large flowered, medium growing hybrids resultant from crossing the tall bearded Germans with the various Crimean hybrids. These are vigorous, hardy and free flowering, blooming in May just ahead of the taller *Germanica* class.

Dorothea. Milk white, clouded with porcelain blue brown reticulations at base of all petals.

Freya. Pearl color, the falls flamed violet. Occasionally produces a fall crop of bloom. 25 cts. each; \$2.50 per dozen.

Halidan. Large flowers of good substance; creamy white.

Helge. Lemon yellow with pearl shadings.

Ingeborg. Pure white.

Walhalla. Standards lavender, falls wine-red.

Unless noted, 20 cts. each; \$2.00 per dozen.

SIBERIAN IRIS

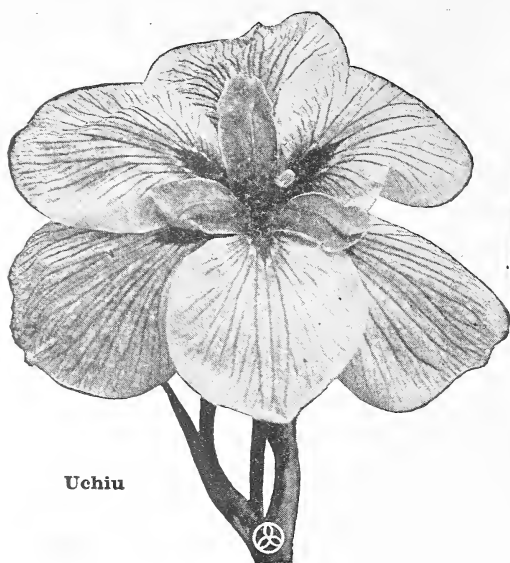
A very practical, showy and prolific type of comparatively dwarf habit; with narrow, grassy foliage and 2 to 3 foot stems; furnishing a prodigious amount of medium sized flowers during June—between the German and Japan sections.

Sibirica. 2 feet. Purplish blue; the richest, darkest blue shade in bloom at this time of the year.

—**Blue King.** Clear, bright blue, very dark

—**Snow Queen.** Large, ivory white flowers. The rigidly erect stems stand like a line of soldiers on parade, tallest of the group.

20 cts. each; \$2.00 per dozen.



Uchiu



Gold Bound

JAPAN IRIS

Iris Kaempferi. Last of the wonderful Iris procession in point of season; but for size of plant and flowers, shapeliness, richness of coloring, beauty of pattern, and splendor of general effect, is unquestionably first. Like other Iris, the Japanese species are partial to moisture in the soil, but can get along with less than the Germanica type. They insist, however, upon thorough and frequent cultivation, giving recompense for extra labor, in extra bloom and added beauty. Their flowers are generally rather flat and wide, often measuring 10 to 12 inches across, appearing in great profusion during June and July after the Germans are through.

Gekka-no-nami. (Waves under Moonlight.) (1.) Earliest to bloom, and the choicest white; very free. Glistening white, with creamy white stigmata.

Moniji-no-taki. (Maple Waterfall.) (3.) A choice double variegated variety; bright rosy crimson, beautifully feathered in white. Petaloid-stigmata white, purple crested.

Purple and Gold. (5.) Enormous double flowers often ten inches across, early and free blooming. Color, rich violet-purple with white petaloids, tipped violet. The conspicuous golden throat extends outward in sharp bluish white rays.

Gold Bound. (6.) A fine double pure white, enriched by a creamy glow from the gold banded center.

Uchiu. (Universe.) (7.) Beautiful, six-petaled flowers of largest size, on the longest stems. Color, cerulean blue with golden center and white halo from which radiate many clear white lines. Standards white, tipped blue. This variety covers the longest blooming season and is altogether one of the most attractive. 35 cts. each; \$3.50 per dozen.

Mahogany. (8.) Large double flowers, the latest to bloom. Velvet toned, deep mahogany-red; the erect petaloids prettily crested.

Unless noted, 30 cts. each; \$3.00 per dozen.
By express, \$20.00 per 100.

S. & H. CO. JAPAN IRIS SET

Above 6 Distinct Sorts.

By mail, for \$1.50; by express, \$1.25.

Lathyrus Latifolius. (Hardy Climbing Pea.) Red and pink. 25 cts. each; \$2.50 per dozen.



Liatris Pycnostachya. (Blazing Star, or Gay Feather.) Unique, mid-summer flowers showing a blaze of light rosy purple from tip to base of each feathery stalk. 4 to 5 feet. 25 cts.; \$2.50 per dozen.

Lobelia Cardinalis. (Cardinal Flower.) Intense cardinal red flowers arranged in stocky spikes 15 to 18 inches long. Keep the plant aflame throughout August and September. 20 cts. each; \$2.00 per dozen.

LILIES

Complete description on pages 93 and 94.

| | Each | Doz. | Express Per 100 |
|----------------------------|-------|--------|-----------------|
| Regale. X... | \$.50 | \$5.00 | \$40.00 |
| " XX. | .75 | 7.50 | 50.00 |
| " XXX. | 1.00 | 10.00 | 75.00 |
| Auratum... | .35 | 3.50 | ..... |
| " Extra. | .50 | 5.00 | ..... |
| Batemann. | .30 | 3.00 | ..... |
| Elegans.... | .25 | 2.50 | ..... |
| Henryi.... | .50 | 5.00 | ..... |
| Longiflorum | | | |
| Giganteum | .30 | 3.00 | ..... |
| Extra.... | .50 | 5.00 | ..... |
| Speciosum | | | |
| Album... | .30 | 3.00 | 22.50 |
| " Rubrum.. | .30 | 3.00 | 22.50 |
| Superbum.. | .20 | 2.00 | 15.00 |
| Tigrinum | | | |
| Splendens | .20 | 2.00 | ..... |
| " fl. pl.... | .20 | 2.00 | ..... |
| Umbellatum | | | |
| Grfl. | .25 | 2.50 | ..... |
| Lily of the Valley. | .... | .50 | 3.50 |
| \$30.00 per 1000. | | | |



The Beautiful Yellow Iceland Poppy



Oriental Poppy

Monarda Didyma. (Bergamot.) Bushy coarse-leaved plant, growing about 2 feet high; covered with round, full heads of red flowers with a petalage similar to the Cactus Dahlias. Prized on account of delicious fragrance of leaves when crushed. 20 cts.; \$2.00 per dozen.

Pachysandra Terminalis. (Japanese Spurge.) One of the best ground covering plants, averaging 6 to 8 inches in height and branching freely into a dense mat. Its shapely indented foliage is practically evergreen; thick, rubbery, lustrous dark green. It bears small spikes of light colored flowers during May and June. 20 cts. each; \$2.00 per dozen. By express, \$15.00 per 100.

PENTSTEMON Barbatus Torreyi. (Scarlet Beard Tongue.) Close set spikes of small, brilliant, scarlet flowers on slender, nodding, 3 to 5 feet stems. They do not take up much room, but are showy sparkling among other flower heads. July and August. 20 cts.; \$2.00 per dozen.



Monarda Didyma

—**Coral Gem.** A beautiful new variety showing larger individual flowers, in a very pretty shade of coral pink. The plant is more compact, and bloom more closely set than on the older variety. 2½ feet. 25 cts.; \$2.50 per dozen.

HARDY POPPIES

Papaver. Among the most welcome flowers that glorify the early spring and summer are the big glowing, nodding Poppies. Although their blooming season is short, their foliage is attractive all summer.

Papaver Orientale. Brilliant "Oriental Poppy" with immense, flaming flowers of orange scarlet. These impressive color blotches are supreme among prevailing greens of early spring. 25 cts.; \$2.50 per doz.

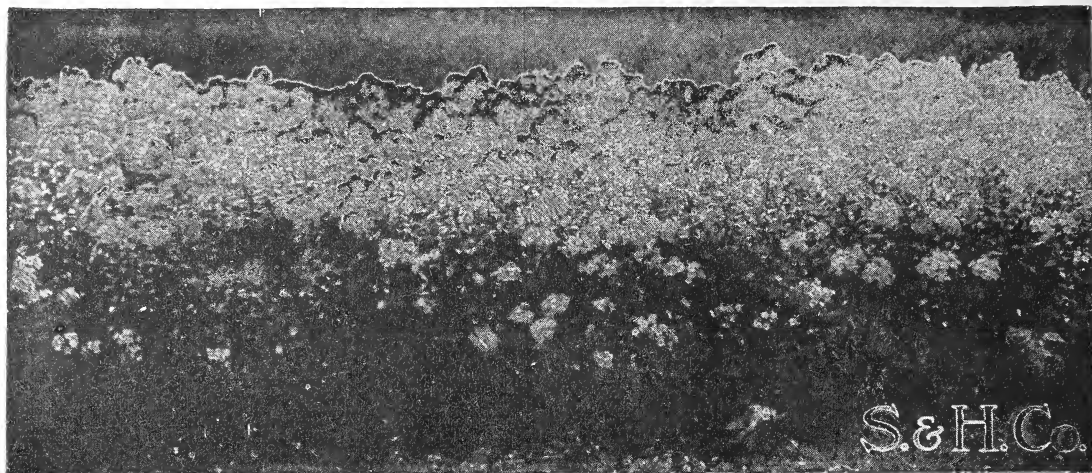
—**Nudicaule.** "Iceland Poppies" bloom with extravagant freedom during early summer, and in lesser degree throughout; two inch saucer shaped flowers, on slender stems, making delightful bouquets, as well as a vivid garden show. Distinct, bright colors, offered separately in **Orange, White and Yellow.** 20 cts. each; \$2.00 per dozen.



"Chinese Lantern Plant"

PHYSALIS FRANCHETI

A unique and interesting novelty plant, grown for the high-colored, bladder like fruits which cover the bush in late summer and autumn. These fruits average 1½ to 2 inches in diameter, are a brilliant orange red when ripe, and by reason of their shape and texture, the bush is popularly called the "Chinese Lantern Plant." Branches of fruit may be dried for winter decoration. 20 cts.; \$2.00 per doz.



A Hedge of Phlox Athis

HARDY PHLOX

Perennial Phloxes can be used to advantage in the hardy border, in large groups on the lawn, or planted in front of belts of shrubbery, where, by judicious pinching back and removing faded flowers, a constant succession of bloom may be had until frost. Except the dwarf species, all Hardy Phloxes are admirably adapted to cutting.

We offer a select list of strong **field grown roots**.

PHLOX PANICULATA

Athis. Tall. Abundant spikes of salmon pink.

B. Comte. Brilliant, rich and highly pleasing to the eye; French purple. 25 cts.; \$2.50 per dozen.

Bridesmaid. Beautiful trusses; white, crimson eye.

Ferdinand Cortez. Deep rose pink shaded salmon towards center.

Fraulein G. Von Lassburg. Moderate height, flowers and truss of extreme size; purest waxy white.

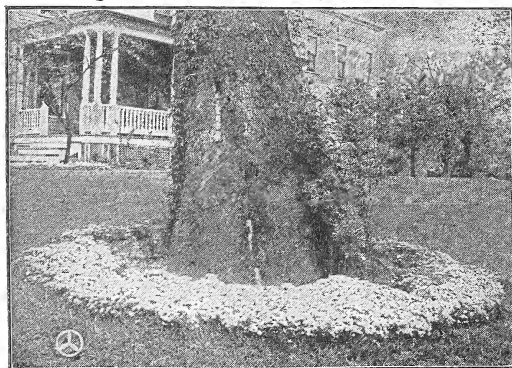
Gefion. Immense conical heads, borne profusely. Warm mauve with emphatic carmine eye.

Goliath. Deep rose pink, with just a suggestion of salmon; extra large. 30 cts. each; \$3.00 per dozen.

Henry Murger. Big as a dollar; white, with extensive carmine center.

Lumineux. Rosy red.

Miss Lingard. Longest spikes of any Phlox—blossoms from the ground up. Waxy white, lavender eye. This is the earliest blooming of the list, and sweetly fragrant.



Phlox Subulata

Mrs. Wm. Jenkins. An early and free bloomer, one of the best tall varieties; very large, pure white.

Obergartner Wittig. Bright magenta with light halo and crimson eye. One of the best aureoles.

Rheinlander. A new variety of great beauty; a rare shade of salmon-pink, intensified by a distinct claret-red eye. Flowers and truss of unusual size.

Riverton Jewell. Tender peach-blossom pink with bright rose eye and suffusion; flower and truss very large, on erect, compact stems.

Ryndstrom. Color a lively shade of rose-pink, much like Paul Neyron Rose; flowers very large. One of the best for massing.

Siebold. An improved Coquelicot; somewhat brighter and a stronger grower; vivid orange scarlet. 25 cts. each; \$2.50 per dozen.

Sir Edwin Landseer. A very good light red slightly tinged with rose.

Tapis Blanc. Very dwarf (not over 6 to 8 inches high), very useful as an edging for groups of taller sorts. The florets and trusses are unexpectedly large; pure white.

White Lady. A beautiful pure white variety.

Widar. Light reddish violet, illuminated by the rather large white center. 25 cts. each; \$2.50 per dozen.

Unless noted, 20 cts. each; \$2.00 per dozen. By express, \$15.00 per 100.

PHLOX SUBULATA

Creeping Phlox or "Moss Pink." Beautiful ground covering plants with low spreading stems and narrow moss-like leaves. Often used for covering graves, surrounding old stumps, and even large growing trees.

Rosea. Bright rose-pink flowers. } 20 cts. each;

Alba. White. } \$2.00 per dozen.

Phlox Cover Set. See second page of cover, offering 5 Phlox: Ferdinand Cortez, Gefion, Henry Murger, Rheinlander and Ryndstrom;—for 85 cts. postpaid.

PHYSOSTEGIA (False Dragon Head)

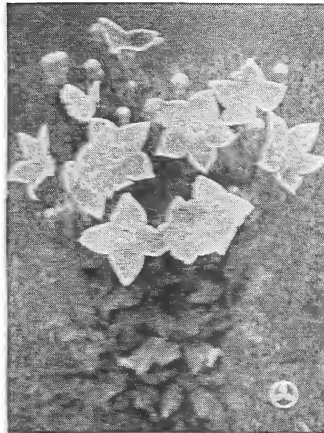
Handsome mid-summer flowering plants, 2 to 4 feet high; bearing broad spikes of tubular flowers of delicate but conspicuous beauty.

—**Speciosa Alba.** Pure white, very large, dense trusses. 20 cts. each; \$2.00 per dozen.

—**Virginica.** Purplish rose, not so strong as to overcome the general effect of delicacy. 20 cts.; \$2.00 per dozen.



Phloxstegia P. 112



Platycodon Mariesi



Plumbago Larpentae

HARDY GARDEN PINKS

The pronounced spicy fragrance of their flowers are with their beauty of form and color in keeping up a constant demand for them. Their dwarf growth and dense, grassy foliage makes them adapt them to edgings and first border lines. They bloom freely during early summer. 1 ft.

Cassius. Round, tufted grass pink; very liberal bloom in early spring. Compactly double, shell-pink flowers.

Elizabeth Peters. Single flowers, long summer season, dark red with maroon center.

Gertrude. White, variegated with maroon.

Her Majesty. Very large and full; petals white.

Laura Wilmer. White, with purplish-maroon center. 20 cts. each; \$2.00 per dozen.

NEW "PERPETUAL FLOWERING" HARDY PINKS

A comparatively new type which adds materially to the already high valuation placed on these garden favorites. They commence blooming early in spring and continue without interruption until fall, with larger and long-stemmed flowers than the older types.

Mother. Large double white.

Jean. White, with purple center.

Mary. Pale rose-pink, with light maroon center.

Robert. A delicate shade of old rose with light maroon center, particularly free.

25 cts. each; \$2.50 per dozen.

Set. One each of the 4 sorts for \$5 cts.

Platycodon Grandiflorum. (Balloon Flower) Blooms constantly from July until late in September. Flowers large bell-shaped, in numerous loose racemes. Blue or White. 15 cts.; \$1.50 per dozen.

—**Marieti.** Numerous, two inch bells, identical with Grandiflorum except that this is dwarf growing, and blooms earlier. One of the most useful dwarf border plants. 20 cts.; \$2.00 per dozen.

Plumbago Larpentae. (Lead-wort.) An attractive edging plant of evenly rounded and dense growth, about 20 inches high. The tiny leaves of apple green are a rich setting for spiky red buds, and clusters of plink-like corolla tube flowers late in summer. 20 cts.; \$2.00 per dozen. By express, \$25.00 per doz.

Primula Veris. The true English Primrose, with fine clusters of very fragrant tubsoms in a wide range of colors. One of the delightful garden products of spring and early summer. 20 cts.; \$2.00 per dozen.

—**Vulgaris.** (Cowslip.) The true yellow primrose. 20 cts.; \$2.00 per dozen.

Pyrethrum Roseum. Foliage fine cut and attractive. Solitary, daisy-like flowers borne profusely on long straight stems colored in all shades of rose. A splendid cut-flower and a sparkling color display in medium borders. 20 cts.; \$2.00 per dozen.

—**Stellata.** (New.) The flowers are very large with many long narrow petals of gleaming white. 20 cts.; \$2.00 per dozen.

RUDBECKIA "Golden Glow." Grows 5 to 6 feet and blooms from early summer until frost. Flowers resemble golden-yellow Cactus Dahlias.

—**Newmanii.** Grows 2 1/2 to 3 feet, plentifully supplied with broad single flowers of orange-yellow, prominent brown eye.

—**Purpurea.** (Purple cone-flower.) Large drooping petals colored reddish purple, with a remarkably large cone-shaped center of brown, thickly set with golden tips in spiral lines. 2 to 3 ft. All 20 cts.; \$2.00 per dozen.

Salvia Aurea Grandiflora. Meadow Sage. A hardy species of Salvia, very pretty in August and September with its profusion of skyline flowers. Spreading, 2 to 4 foot plants, with sweeping flower wands which arch gracefully clear from the crown. 15 cts.; \$1.50 per dozen.

Saxifraga. Rock-foil. Useful for front of the border or rockeries, that to inch growth of broad green foliage being effective all the year; their daisy umbels of flowers breaking out very early in spring.

—**Cordifolia.** Light pink. 20 cts. each; \$2.00 per doz.

—**Lingulate Leichtleini.** Small brilliant red corymbs on six inch stems. 20 cts. each; \$2.00 per dozen.



Hardy Pink "Jean"



Purple Cone-flower

**Sedum Spectabilis**

SEDUM. (Stone Crop.) An easily grown and useful class of hardy plants which can be used to advantage in poor, or rocky soil, otherwise barren.

—**Coccineum.** Dwarf; crimson flowers.

—**Spurium.** 6 inches. Attractive pink flowers.

Above, 15 cts. each; \$1.50 per dozen.

By express, \$10.00 per 100.

—**Spectabilis.** Of upright growth, 15 to 18 inches high. Foliage rounded, thick and rubbery, crowned with massive flat cymes of light rose-colored flowers. 20 cts.; \$2.00 per dozen.

—**Brilliant.** A new form of above, with dark crimson flowers. 25 cts.; \$2.50 per dozen.

Tritoma Pfitzeri. (Red Hot Poker.) Of perfect form; brilliant scarlet, the opened lower petals merely, being rimmed with orange. Rush-like foliage supports smooth, thick flower stalks a yard long, with a single fiery cone at the top. July-Sept. 25 cts.; \$2.50 per dozen.

—**Quartiniana.** A strong growing, thick-stalked

variety blooming late in May with cones 10 to 12 inches long. Orange red at first, but maturing yellow on bottom half. 30 cts.; \$3.00 per doz.

—**Star of Baden.** Early flowering, small flower, bright yellow and red. 25 cts. each; \$2.50 per dozen.

YUCCA Filamentosa.

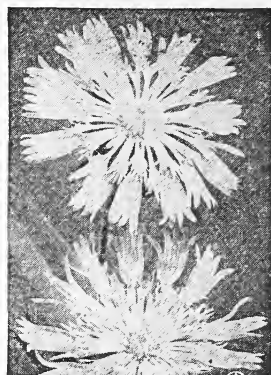
(Adam's Needle or Spanish Bayonet.) A stately foliage and flowering plant, always conspicuous. The broad, sword-like foliage is evergreen; supporting a showy display of pendant creamy-white bells. 25 cts.; \$2.50 per dozen.

Stachys Lanata.

(Woundwort.) The dense leafage is a sheeny silver white, with the wooly surface and substance of felt. Small spikes of light purple flowers in July and August. 1 ft. 20 cts.; \$2.00 per doz.

Statice Latifolia.

(Sea Lavender.) Grows 15 to 18 inches high with tufts or clumps of thick, leathery foliage and immense panicles of delicate

**Stokesia**

blue flowers. Individual flowers very minute, similar in form to the Forget-me-not, but made into heads 18 inches or more across. Will last for months as house decoration, if carefully dried. 25 cts.; \$2.50 per dozen.

Stokesia Cyanea. (Stokes' Aster.) Flowers of Centaurea shape, often 4 to 5 inches across. 1½ to 2 feet. July on. Blue. 20 cts. each; \$2.00 per dozen.

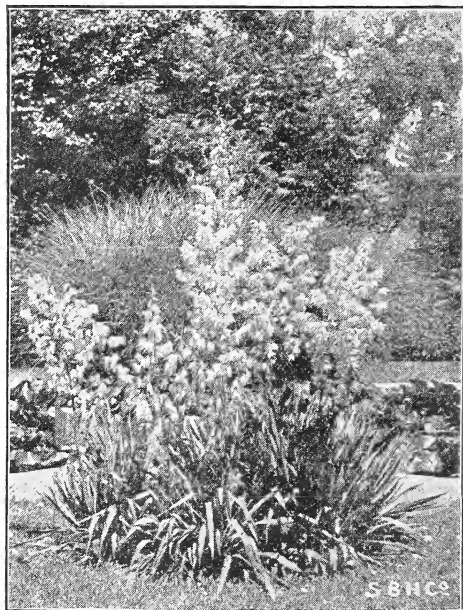
—**Alba.** Conspicuous white flowers. Same price.

Tradescantia Virginica Alba. (Spiderwort.) Richly green foliage and white blossoms an inch wide; in bloom all summer. 2 feet, 20 cts.; \$2.00 per dozen.

Veronica Longifolia Subsessilis. (Blue Bird Flower.) A 2 foot border plant with attractive foliage of distinct character, a roughened bronze-green. Flowers are borne abundantly during July and August, in long, compact spikes. Deep indigo blue. 20 cts. each; \$2.00 per dozen. \$15.00 per 100 by express.

—**Rupestris.** A little rock plant not over 4 inches high, with densely matted foliage clouded over with bright blue flowers. 25 cts. each; \$2.50 per dozen.

—**Spicata Rosea.** 1½ feet. Long spikes of pretty pink flowers in June and July. 30 cts.; \$3.00 per doz.

**Yucca Filamentosa**

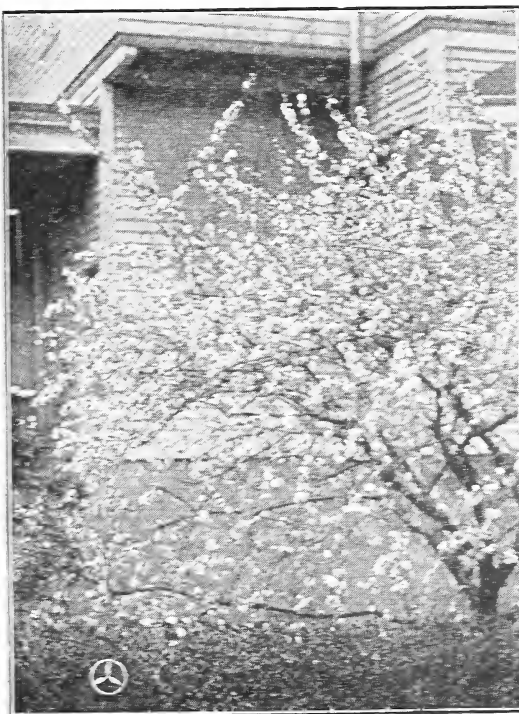
HARDY ORNAMENTAL SHRUBS

A TYPICAL
FOUNDATION PLANTING

All Shrubs are Priced for Freight or Express, Except Where Specially Stated "Mail Size."

ABELIA GRANDIFLORA. An attractive dwarf shrub, suitable for a sunny-sheltered position anywhere the winters are not extreme, with small shiny foliage which is almost evergreen. The flowers are small, but very pretty and numerous, in loose terminal panicles; color, white flushed with pink. This shrub is rarely without some bloom from June clear into November. 2 year, \$5.00; \$7.00 per doz.

ALMOND. Early spring flowering shrubs, gaily in full bloom before the leaves appear, with beautiful double flowers of rose or white, smudging night to the twig.
—Double White and Double Pink. 2 1/2 to 3 feet—\$5.00 each; \$7.00 per doz. 3 to 3 feet—\$5.00 each; \$7.00 per doz.



A very old Flowering Almond



Double
"Rose of
Sharon"

ALTHEA. Rose of Sharon. Bloom late in August and September, with a profusion of large and brightly colored flowers much like the tender Hibiscus in form. These are the color spots of fall, as Gladioli and Wergals are of spring. The late appearing fringed extra good and valuable for its beauty alone. Grown in standard form, they attain to 10 to 12 feet in height and make attractive specimens. Planted more compactly and occasionally pruned, they are both serviceable and showy as hedges. Should not be planted in very cold northern sections.

—Double Rose, Double White, Double Purple.

—Double Red and Double Striped.

3 to 3 feet—\$5.00 each; \$7.00 per doz.

3 to 2 feet—\$5.00 each; \$7.00 per doz.

—Totus Albus. Handsome single flowers of largest size, pure white except for a creamy tinge at center 3 to 3 feet—\$5.00 each; \$7.00 per doz.

AMORPHA FRUTICOSA. Grows 6 to 10 feet high in large spreading bush form, with bright green pinnate leaves, flowers deep violet blue in June.

3 to 3 feet—\$5.00 each; \$7.00 per doz.

3 to 2 feet—\$5.00 each; \$7.00 per doz.

**Thunberg's Barberry**

BERBERIS Thunbergi. (Japan Barberry.) There is no shrub in existence so generally planted or more practical for all purposes where beautiful foliage effect is desired, than this. It is dwarf growing, uniformly bushy and rounded in form, susceptible to formal pruning, with small, numerous leaves densely covering the thorny twigs. These give it paramount importance for use as a filler, and edging for shrubbery groups; as a foundation screen in front of porches; and, above all, as a compact, impassable, hardy, low hedge for confining lawns or dividing properties. Although variable in accordance with seasonable conditions, autumn paints the foliage scarlet or gold, and studs branches with crimson fruits.

| | Each | Per 10 | Per 100 |
|----------------------|--------|--------|---------|
| 12 to 18 inches..... | \$0.35 | \$2.50 | \$20.00 |
| 18 to 24 inches..... | .50 | 4.50 | 40.00 |
| 24 to 30 inches..... | .60 | 5.00 | 45.00 |

1 year mail size 20 cts. each; \$1.50 per 10; \$12.00 per 100.

BOX-BARBERRY. An improved Thunbergi type, available in every way like its parent, but with definite qualifications all its own. While the leaves are still green; its foliage is so round and dense, and its growth so evenly compact, it bears a striking resemblance to Boxwood. Inheriting the barberry hardness, it can be and is being largely used in our northern latitudes to obtain a boxwood effect as rich and convincing as the real box in sunnier climes. Slower and lower growing than Thunbergi, its density allows closer trimming; so that,—again like boxwood,—sheared specimens may be trained into perfect globes or pyramids, as well as in the conventional cropped hedge.

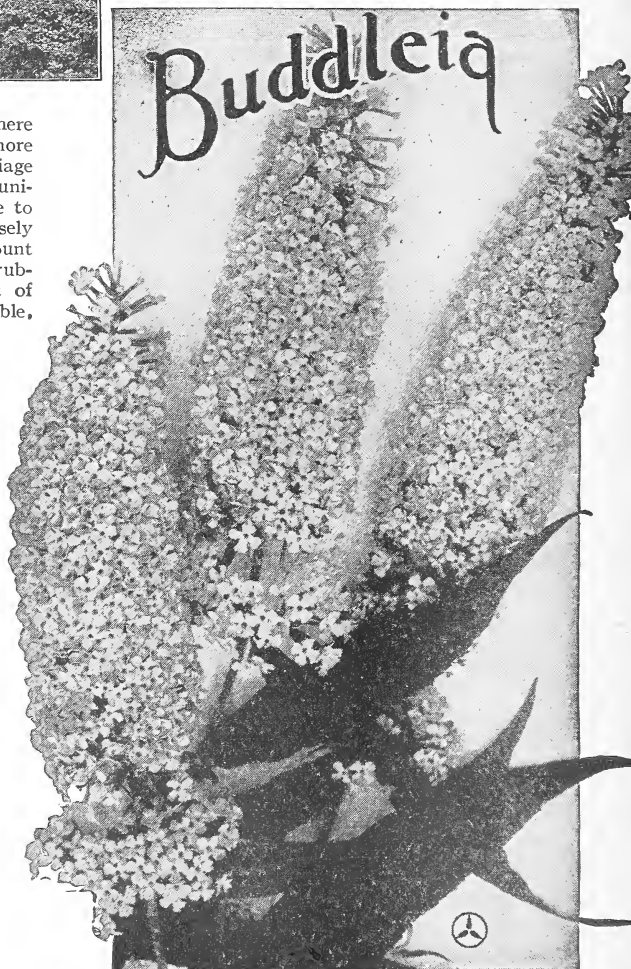
2 years—8 to 10 inches, 50 cts. each; \$4.50 per 10.

3 years—15 to 18 inches, 65 cts. each; \$6.00 per 10.

BUDDLEIA. ("Butterfly Bush," "Summer Lilac.") Of quick bushy growth; when the lovely bloom-spikes appear in July, the shrub, which had probably died down nearly to the ground during winter, is now a perfect, well-branched specimen of about five feet; radiating a delightful perfume and glowing with the tints and flower shape of the Spring Lilacs.

(Buddleia)—Magnifica. This variety is one of the hardiest for all sections. Flower spikes 10 inches in length by 3 inches in diameter are not unusual. Color deep violet-rose, with a pronounced orange center; the margins of petals neatly reflexed. 2 yr. 50 cts.; \$4.00 per 10. 1 yr. 20 cts.; \$1.80 per 10.

CARAGANA ARBORESCENS. (Siberian Pea Shrub.) Grows 10 to 12 ft. high and makes a splendid show with its bright green, compound leaves, and numerous small clusters of yellow flowers. 2 to 3 feet—60 cts. each; \$5.00 per 10.

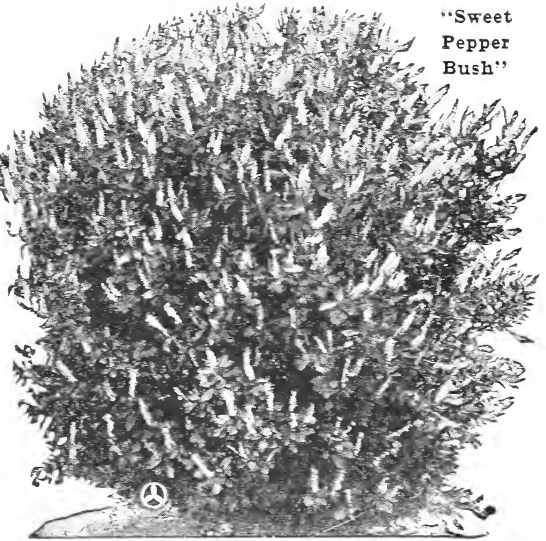
**Buddleia Magnifica**



Calycanthus, "Sweet Shrub"
or "Allspice"

CALYCANTHUS.

(Carolina Allspice.) A unique shrub growing upright to 6 feet, clothing its straight, strong, reddish brown shoots with large glossy leaves, from the axils of which spring odd, double, spicily fragrant flowers of chocolate-red. Mail size, 20 cts. each; \$1.50 per 10. 18 to 24 in.—60 cts. each; \$5.00 per 10. 2 to 3 feet—70 cts. each; \$6.00 per 10.



"Sweet
Pepper
Bush"

CLETHRA ALNIFOLIA. (Sweet Pepper Bush.) A handsome little shrub, delightfully fragrant in August and September when covered with long, showy wands of creamy white flowers. It is valuable for the front of the border, as it grows only 3 to 5 feet tall, and on account of its pleasing scent, is very popular in the little shrub groups so often planted in the corners made by the porch steps. 18 to 24 in.—60 cts. each; \$5.00 per 10.

CORNUS. (Dogwood.) The shrubby Dogwoods are mainly valuable for the brilliancy of their barks and berries, and the handsome variegations of their foliage. All varieties do well in shade. May be used to advantage in extensive shrub groups where requirement is an expanse of green foliage; the fall fruits calling a welcome assemblage of birds; and the tangled mass of highly colored twigs enlivening the prevailing somberness of shrubbery in winter.

—**Sibirica.** Grows 6 to 10 feet high, with clusters of fine white flowers, succeeded by a fall crop of ornamental berries; stem and branches turning to blood-red in winter.

2 to 3 feet—50 cts. each; \$4.00 per 10.

3 to 4 feet—60 cts. each; \$5.00 per 10.

Mail size—20 cts. each; \$1.80 per 10.

—**Lutea.** A striking yellow branched form of *Stolonifera*, very satisfactory for contrasting.

2 to 3 feet—60 cts. each; \$5.00 per 10.

—**Elegantissima Variegata.** Grows 8 to 10 feet high, with purplish red branches and beautiful silver variegated foliage. 2 to 3 feet—\$5 cts. each; \$7.50 per 10.

—**Spaethi Aurea.** Leaves broadly margined yellow; of brachy, spreading habit. 2 to 3 feet—\$5 cts.

—**Paniculata.** (Gray Dogwood.) One of the best sorts for tall shrub groups (6 to 15 feet). Showing a profusion of good sized white flowers in June. Berries white, on noticeable red stems. Bark and underside of leaves gray.

2 to 3 feet—60 cts. each; \$5.00 per 10.

—**Sericea.** (Silky Dogwood.) Usually dwarf growing with silky leaves, and dense cymes of greenish white flowers in early summer. Bark purplish, fruits black.

—**Stolonifera.** (Red Ozier Cornel.) Medium sized and spreading, dark red bark and white flowers, berries white. **Sericea and Stolonifera prices:**

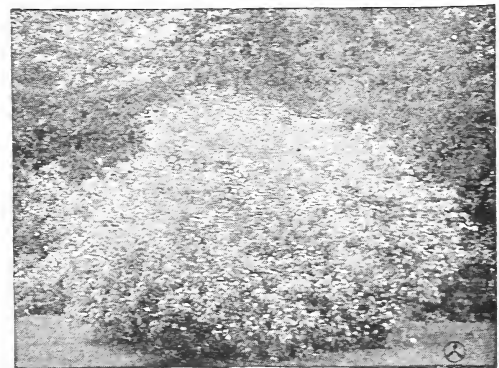
2 to 3 feet—60 cts. each; \$5.00 per 10.

3 to 4 feet—70 " " 6.00 "

Mail size—20 " " 1.80 "



Cornus Elegantissima Variegata



Cornus Paniculata

**Deutzia Lemoinei****DEUTZIAS**

Valuable, self-sustaining shrubs which vary considerably in height and habit, but bloom alike in dainty bell or tassel-shaped flowers, borne thickly in wreaths along their branches in June. The taller sorts are useful for specimens, groups and the back-ground of shrubberies, the dwarfier for borders or for planting near the house.

Candidissima. Double pure white flowers. 2 to 3 feet, 50 cts. each; \$4.00 per 10.

Crenata. Distinct from all others; white.

Crenata, fl. pl. Double white, tinged pink.

Crenata Rosea. Single, pale pink.

Watereri. Tall growing; with large pink, flat flowers in loose racemes.

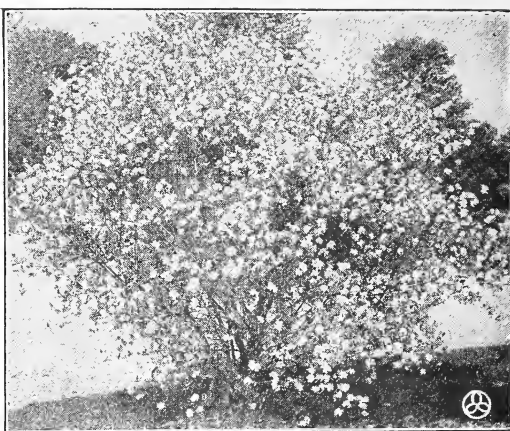
Above 4 sorts:

2 to 3 feet—60 cts.; \$5.00 per 10; \$45.00 per 100. 3 to 4 feet—70 cts.; \$6.00 per 10; \$55.00 per 100. Mail size, 25 cts.

Gracilis. (Slender Branched.) Dwarf growing, dense, bushy, its drooping branches wreathed with pure white flowers in May. Also valuable for winter blooming in pots. Mail size, 20 cts. each. 15 to 18 in.—60 cts.; \$5.00 per 10.

Lemoinei. Large flowers of pure white borne in cone-shaped heads. Mail size, 25 cts. each. 1½ to 2 feet—60 cts. each; \$5.00 per 10.

Magnificata. Erect panicles of the Crenata type, double flowered, and a mass of pure white bloom in June. This is one of the handsomest and most conspicuous of all Deutzias. It grows tall and bushy like Crenata, with the largest florets, fullest trusses and most double petalage to be found in the family. 2 to 3 feet—80 cts. each; \$7.00 per 10.

**Exochorda or "Pearl Bush"**

Pride of Rochester. Grows 6 to 8 feet high; and blooms in May before the others. Flowers large and free, double, white.

2 to 3 feet—60 cts. each; \$5.00 per 10. } Mail size,
3 to 4 feet—70 " " 6.00 " { 25 cts. each.

Venosa. Leaves rough, flowers campanulate, in numerous panicles, filaments slightly toothed; pure white. 2 to 3 feet—60 cts. each; \$5.00 per 10.

3 to 4 feet—70 " " 6.00 "

ELDER. (Sambucus.) Although the Elders are attractive in flower and fruit, they are chiefly grown for their beautiful leaves. They grow well in all soils, and must have vigorous pruning to keep them in shape. Elders are not very long lived, however, so it would be advisable to keep them independent in group plants.

—**Acutifolia.** (Cut-leaved Elder.) Great, handsome cymes of delicate, white, fragrant flowers in June and July, followed by large clusters of fruit.

2 to 3 feet—60 cts.; \$5.00 per 10.
3 to 4 feet—70 cts.; \$6.00 per 10.

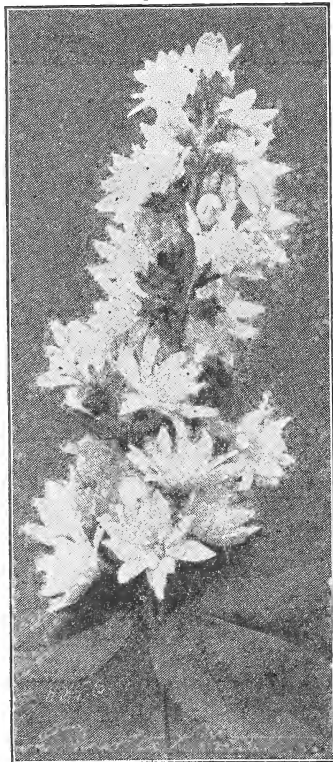
—**Canadensis.** (American Elder.) Immense flat topped cymes of white flowers in early summer; followed in August and September by luscious black fruits—the source of Mother's "Elderberry pie." 2 to 3 feet—60 cts. each; \$5.00 per 10.

—**Tenuifolia.** (Fringed Leaf Elder) A distinct type with deeply cleft foliage. 2 to 3 feet, 65 cts. each; \$5.50 per 10.

EVONYMUS ALATUS. (Winged Burning Bush.) An 8 to 10 foot shrub, with corky winged branches; a fine shrub for solitary plantings, as well as for massing, the rich red and crimson of its leaves being very showy in Autumn. 2 to 3 feet—85 cts. each; \$7.50 per 10.

EXOCHORDA GRANDIFLORA. (Pearl Bush.) It grows vigorously to a height of 6 to 10 feet. The early buds look like pearls strung on slender threads, May opening them up to long, gleaming sprays of pure white; is one of the showiest shrubs.

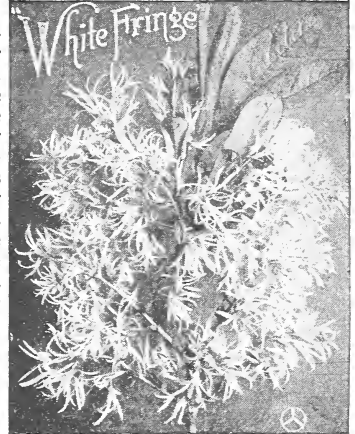
2 to 3 feet—70 cts. each; \$6.00 per 10. Mail size, 35 cts.

**Deutzia Crenata Fl. Pl.**

**WHITE FRINGE.**

(*Chionanthus Virginica*.) A very showy shrub; growing to large size; with large leathery, shiny leaves, and lace-like white flowers borne in gracefully drooping panicles. Although tree-like in character, the branches and heavy foliage are usually well furnished close to the ground, making a broad and rounded bush of noble proportions.

2 to 3 feet—85 cts. each; \$7.50 per 10.



3 to 4 feet—\$1.00 each; \$9.00 per 10.

FORSYTHIA. (Golden Bell.) These splendid old shrubs growing 8 to 10 feet tall eventually, light up the garden with glinting masses of yellow, very early in spring before leaves appear. The upright forms make excellent tall hedges, and are bright-hued fillers for massed shrub groups.

—**Intermedia.** The earliest blooming.

—**Viridissima.** Twisted flowers. Not dependable for hardiness in northern latitudes.

—**Suspensa.** Very long, curving branches, superbly adapted to covering arches and trellises.

2 to 3 feet—70 cts. each; \$6.00 per 10. } Mail size,
3 to 4 feet—75 " " 6.50 " } 30 cts.

—**Fortunei.** Similar to above, but more upright.

Forsythias { 2 to 3 feet—60 cts. each; \$5.00 per 10.
except { 3 to 4 feet—70 " " 6.00 "
noted { Mail size; 25 cts. each.

BUSH HONEYSUCKLES

(*LONICERA*)

The upright Honeysuckles have bright and pretty fragrant flowers followed by showy berries that last through the fall. Make very desirable and attractive hedges, and the nucleus of tall shrub groups. First of the shrubs to clothe themselves in spring verdure.

One of their most valuable qualities is their hardiness and adaptability to shaded location. *Morrowi* is the most compact and lowest growing of varieties listed. *Grandiflora Rosea* bears the most noticeable flowers, due as much to their size as to their color brightness.

Bella Albida. A handsome new hybrid of strong growth. Flowers white, in great fragrant clusters, followed by attractive ropes of red berries, which remain all summer.

2 to 3 feet—60 cts. each; \$5.00 per 10. } Mail size,
3 to 4 feet—70 " " 6.00 " } 25 cts.

Bella Candida. Tall growing; white flowers and plentiful red berries.

2 to 3 feet—60 cts. each; \$5.00 per 10.

3 to 4 feet—70 " " 6.00 "

Grandiflora Rosea. Bright pink flowers in abundance, and very fresh, rounded foliage; one of the most noticeable. 2 to 3 feet—70 cts. each; \$6.00 per 10.

Morrowi. (Japanese Bush Honeysuckle.) A spreading variety growing 4 to 6 feet tall; blooms early in spring with pure white flowers, followed by pretty red berries.

2 to 3 feet—60 cts. each; \$5.00 per 10.

3 to 4 feet—70 " " 6.00 "

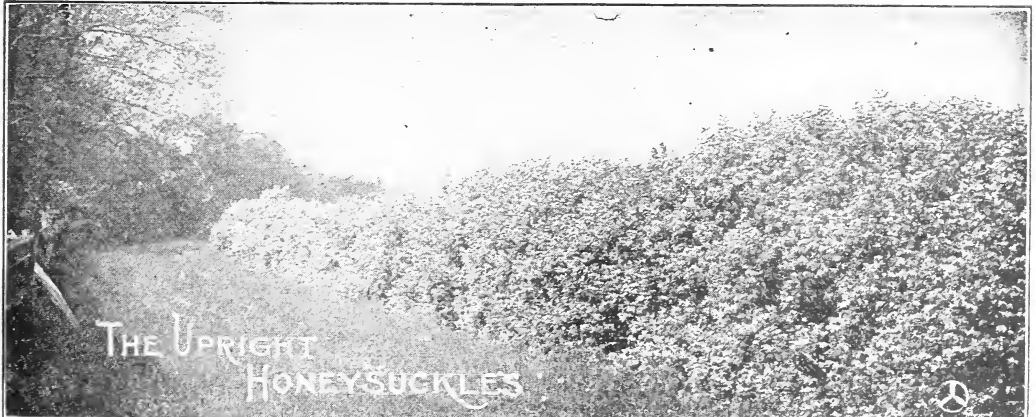
Ruprechtiana. A new early flowering variety with showy white flowers, well set with bright red berries in June. 2 to 3 feet—60 cts. each; \$5.00 per 10.

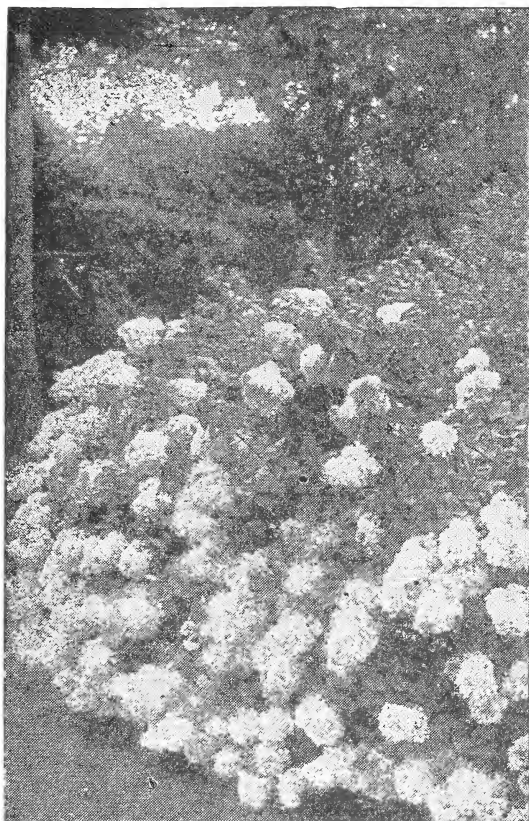
3 to 4 feet—70 " " 6.00 "

Mail size 25 cts. each.

Tartarica Alba. Flowers bluish white. 2 to 3 feet—60 cts. each; \$5.00 per 10.

Xylosteum. Leaves broadly oval, dull green. Flowers yellowish white, often tinged red, hairy outside; May-June. Dark red berries. 2 to 3 feet—60 cts.; \$5.00 per 10.



**Hydrangea Paniculata Grandiflora**

HYDRANGEA

The massiveness of bloom on these valuable shrubs, and their long blooming season, assures them a place in every grouping where solid white effects are required.

Arborescens Grandiflora. ("Hills of Snow.") The flowers are, in a large way, similar to the familiar "Snowball" in appearance; conspicuously white and imposing. July to September. By cutting back to the crown each spring, the bushes may be kept round and dense at a normal height of three to five feet. They are excellent for solid low borders or in foundation plantings.

18 to 24 in.—65 cts. each;
\$6.00 per 10. 2 to 3 feet—
75 cts. each; \$7.00 per 10.
Mail size, 25 cts. each;
\$2.00 per 10.

Paniculata Grandiflora.

Fine tall hedges, or if planted in rich soil and severely pruned every spring before the leaf buds open, will get to be very dense, dwarf clumps of compact form, wonderfully attractive when laden with their massive white plumes. Large beds, kept at a uniform development, are extremely showy; first snowy white, then pink, then reddish bronze and green.

August till autumn. Planted rather well back in the intervals between other shrubs, the projecting flower wands arching from the ground are extremely conspicuous and effective.

18 to 24 in.—70 cts. each; \$6.50 per 10.

2 to 3 feet—80 " " 7.50 "

Mail size, 25 cts. each; \$2.00 per 10.

—**Tree Shaped.** Very desirable in this form, in formal lines and backgrounds, or solitary.

3 to 4 feet—\$1.25 each; \$10.00 per 10.

HYPERICUM

Densifolium. Flowers bright yellow, $\frac{1}{2}$ inch across, in broad, dense, many-flowered corymbs. 2 to 3 feet—60 cts.; \$5.00 per 10.

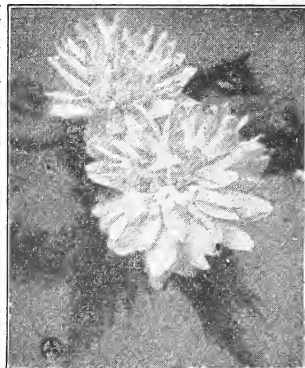
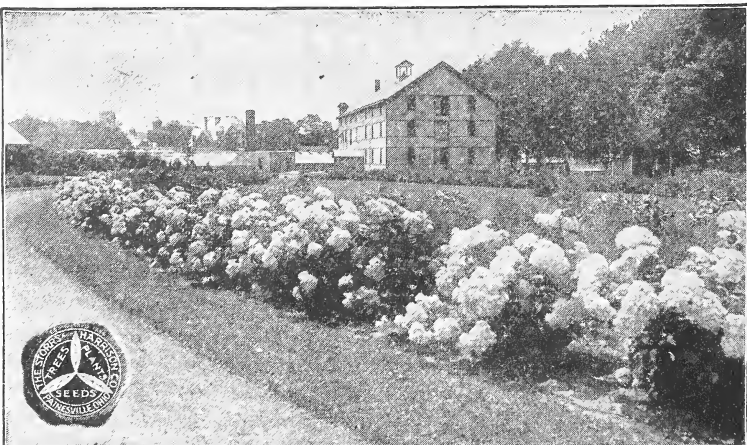
Henryi. A spreading shrub with smooth, purplish, arching branches; quite vigorous and hardy. Yellow flowers 2 to 2 $\frac{1}{2}$ inches across. 2 year, 60 cts.; \$5.00 per 10.

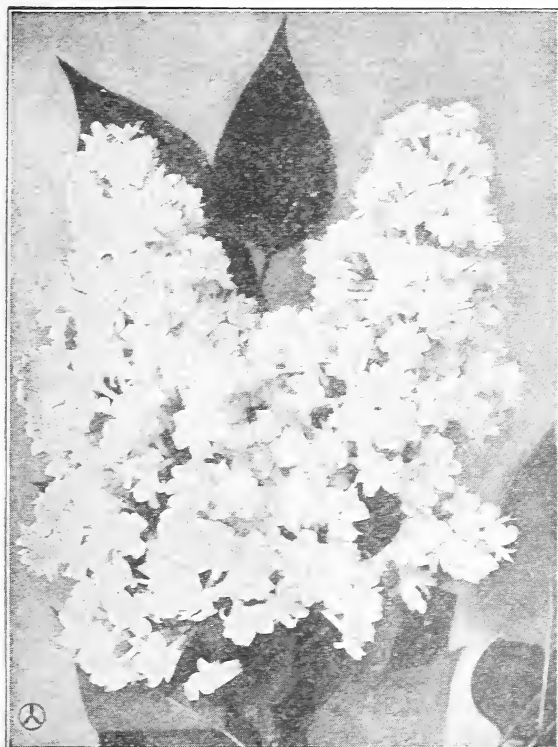
Prolificum. Of variable growth up to 5 feet; abundant dark glossy leaves. Blooms profusely with $\frac{1}{2}$ to 1-inch yellow flowers in several to many axillary cymes. 2 to 3 feet—60 cts.; \$5.00 per 10.

ILEX VERTICILLATA. (Black Alder or Winterberry.) A handsome deciduous form of Holly, of slow development to six or eight feet, at its best in moist soil. Although its small June flowers are numerous and foliage darkly lustrous, the sparkling masses of crimson fruits which appear in October represent its greatest charm and carry its value far into winter. 2 to 3 feet—75 cts. each; \$6.50 per 10.

KERRIA JAPONICA

Fl. Pl. (Double Japan Corchorus.) A very bright and cheerful dwarf to medium shrub, particularly adapted to sunny foundation plantings; not dependably hardy this far north. Its very numerous branches are graceful, slender, shiny, arching; its leaves serrated; stems and foliage alike a brilliant green. Its abundant double flowers like half opened rose buds, rich yellow. 2 to 3 feet, 75 cts.; \$6.50 per 10.

**Double Corchorus****Hydrangea "Hills of Snow"**



Double French Lilac

LILACS—(Syringa)

Best beloved of all the old time shrubs; exquisitely fragrant bloom during the spring months; with ornamental foliage the entire season.

Common Purple. Most suitable for hedges and the taller shrub groups.

2 to 3 feet—50 cts. each; \$5.00 per 10.

3 to 4 feet—70 " " 6.00 "

4 to 5 feet—\$1.00 " 9.00 "

Persian Purple and Persian White. Dwarf growing, with slender branches and narrow leaves; a choice subject for low and medium height foundation planting. 1½ to 2 feet—75 cts. each; \$7.50 per 10.

2 to 3 feet—85 " " 8.00 "

Rothomagensis. (Rouen Lilac.) Grows 10 to 12 feet high; immense reddish-purple panicles in May. 2 to 3 feet—75 cts. each; \$6.50 per 10.

Villosa. Dwarf growth, broad leaved; pinkish lilac flowers in long loose panicles.

2 to 3 feet—75 cts. each; \$6.50 per 10.

French Named. Improved budded sorts. The bushes are stockier, shorter, of slower growth and more tree-like than other types. In assortment: 2 to 3 feet—\$1.00 each; \$9.00 per 10.

PHILADELPHUS—"Mock Orange"

One of the best and most popular old shrubs; the taller growing sorts largely used for hedges. The flowers are very profuse, similar to strawberry blossoms but larger, white with a rich creamy tinge imparted by the golden stamens.

Aureus. (Golden Syringa.) Valuable for contrastive grouping, and the best golden leaved shrub.

15 to 18 in.—75 cts. each; \$6.50 per 10.

18 to 24 in.—90 " " 8.00 "

Mail size, 25 cts.

Coronarius. (Garland Syringa.) A fine old form, 8 to 10 feet tall, that blooms in very graceful sprays. Its large white flowers are delightfully scented. May.

Grandiflorus. Very large flowers in June.

Gordonianus. Best late bloomer. July.

Above three sorts: Mail size, 20 cts. each.

2 to 3 feet—60 cts. each; \$6.00 per 10.

3 to 4 feet—70 " " 6.00 "

Bouquet Blanc. Close set bunches of double flowers. 1½ to 2 feet—50 cts. each; \$5.00 per 10. 2 to 3 feet—60 cts. each; \$6.00 per 10.

Flore-pleno. Beautiful semi-double white flowers. 2 to 3 feet—60 cts. each; \$6.00 per 10.

Lemoinei Erectus. Erect growing with fine foliage, flowers in June. 1½ to 2 feet—70 cts. each; \$6.00 per 10. Mail size, 25 cts. each.

Manteau d'Hermine. (New.) Of very dwarf, drooping habit; densely covered with sweet scented double flowers. Mail size, 35 cts. 2 to 3 feet—75 cts. each; \$6.50 per 10.

Mont Blanc. Extremely fragrant and free flowering; medium size flowers, on slender upright branches; tall. Mail size, 35 cts. each. 1½ to 2 feet—75 cts. each; \$6.50 per 10.

Nivalis Inodorous. Flowers snow-white with creamy stamens.

2 to 3 feet—50 cts. each; \$5.00 per 10.

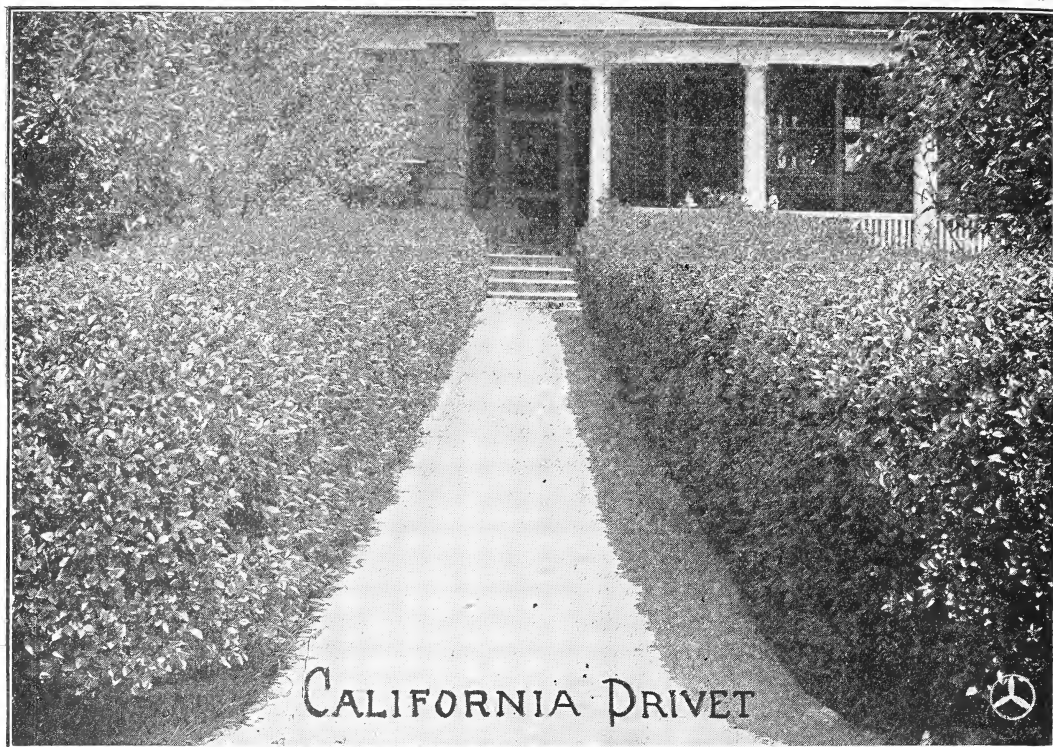
3 to 4 feet—60 " " 6.00 "

Virginalis. A magnificent new variety. The bush grows moderately tall, with good foliage and compact habit. The flowers are the largest, handsomest, and most sweetly fragrant of any known variety, with longest blooming season.

1½ to 2 feet—75 cts. each; \$6.50 per 10.



New Philadelphus Virginalis



THE PRIVETS—*Ligustrum*

Price of Privet

| | Each | 10 | 100 | 1000 |
|---|--------|--------|---------|---------|
| Amurense —18 to 24 inches..... | \$0.20 | \$1.60 | \$12.00 | ..... |
| “ 2 to 3 feet..... | .25 | 2.00 | 16.00 | ..... |
| California —15 to 18 inches..... | .15 | 1.00 | 6.00 | \$50.00 |
| “ 18 to 24 inches..... | .20 | 1.20 | 8.00 | 65.00 |
| “ 2 to 3 feet..... | .20 | 1.50 | 10.00 | ..... |
| “ 1 yr., 12 to 18 in..... | .10 | .60 | 4.00 | 30.00 |
| Ibota —18 to 24 inches..... | .20 | 1.60 | 12.00 | ..... |
| “ 2 to 3 feet..... | .25 | 2.00 | 16.00 | ..... |
| Regel's —18 to 24 inches..... | .50 | 4.00 | ..... | ..... |
| Variegated —12 to 18 inches..... | .50 | 4.00 | ..... | ..... |

Besides being one of our best hedge plants, the various species of Privet form interesting groups on the lawn, and make richly green foliage backgrounds against foundation walls. They are almost evergreen, of dense compact habit; useful in shaded places.

Planting Directions for California Privet

If the plants are to be in a single row, set them about 12 inches apart; if in a double row, about 18 inches apart each way and alternately. The single row is very effective, but naturally the double row makes a wider and denser hedge. No matter how strong the plants, cut back severely at planting; and covering the branches a little above the crown, makes for density. Trimming should commence after the plants are well established; in Spring before the buds swell, again in July, and sometimes after unusually strong growth, later in Summer.

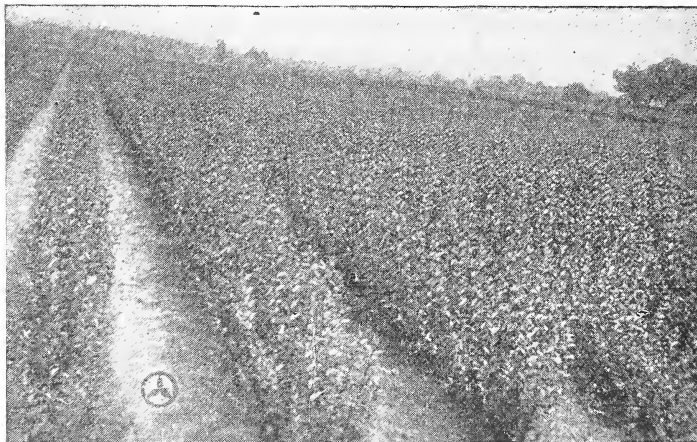
Amoor. (*L. Amurense*.) Of similar form and habit to the California type, not so shiny, but reputed to be hardier.

California. (*L. Ovalifolium*.) A species of unusual beauty that has become the most popular of hedge plants. Its shining foliage shears nicely to any shape.

Ibota. Spreading and tall growing, the hardiest of the group. Color grayish-green, fruits black.

Regels. (*L. Regelianum*.) A dense shrub with stiff, twiggy horizontal spreading branches drooping at the ends.

Variegated. Similar in type of leaf and growth to the California, but of less ruggedness and quick habit. Instead of the conventional smooth green, this novel variety is creamy white over two-thirds of the leaf. May be used to advantage either in hedge rows or as a bright variegation in groups with other shrubs.



One of our Privet Fields

• **PRUNUS Pissardi.** (Purple-leaved Plum.) A distinct and handsome little tree, covered with a mass of small, white, single flowers in spring; later, with showy pinkish purple leaves that deepen in color to the end of the season.

3 to 4 feet—85 cts. each; \$7.50 per 10.

4 to 5 feet—\$1.00 " 9.00 "

—**Triloba.** (Double Flowered Plum.) A charming shrub of vigorous growth. Very early in spring, before its leaves appear, the whole tree is decked in a fleecy cloud of very double light pink blossoms. Its effect on a still leafless landscape is very bright. 2 to 3 feet—\$1.00; \$9.00 per 10.

RHAMNUS Catharticus. (Buckthorn.) A dense twiggy bush, 6 to 10 feet high, with dark foliage relieved by masses of attractive white flowers in June and July. Makes a good, prunable hedge.

2 to 3 feet—40 cts.; \$3.50 per 10; \$25.00 per 100.

3 to 4 feet—50 cts.; \$4.00 per 10; \$35.00 per 100.

—**Frangula.** A large shrub with numerous leafy branches. Leaves dark green, paler beneath, fading with tones of yellow, orange and red. Berries change from red to black in September.

2 to 3 feet—50 cts. each; \$4.00 per 10.

3 to 4 feet—60 " " 5.00 "

RHUS. (Sumac.) Every lover of Nature thrills at recollection of the picturesque, gnarly, wind-bent rows of Sumac familiarized since childhood in many a romantic sky-line. And the woods, the hillside copses never blazed so redly as when autumn painted the Sumac leaves and brought forth its gorgeous fruits.

—**Aromatica.** (Fragrant Sumac.) Grows 2 to 4 feet tall; flowers yellow, in clusters along the stems, followed by red berries in June. Leaves color to brilliant scarlet. 2 to 3 feet—85 cts. each; \$7.50 per 10.

—**Copallina.** (Shining Sumac.) Tall growing; foliage glossy. Blooms late, with terminal flowers of greenish white in dense panicles. Fruit large, deep crimson. Foliage colors beautifully in fall. 2 to 3 feet—65 cts.; \$5.00 per 10.

—**Glabra.** (Smooth Sumac.) Grows to a small tree with beautiful leaves which color brightly in Autumn; flowers in July followed by crimson or brown fruits.

2 to 3 feet—50 cts. each; \$4.00 per 10. 3 to 4 feet—60 cts. each; \$5.00 per 10.

—**Typhina.** (Stag Horn Sumac.) Picturesque and rugged in all stages of development to its small-tree maturity of about 30 feet. Its flowers are borne during June and July in dense terminal panicles, followed by impressive red fruits. 2 to 3 feet—60 cts. each; \$5.00 per 10. 3 to 4 feet—75 cts. each; \$6.50 per 10.

STEPHANANDRA FLEXUOSA. An attractive 3 foot shrub specially suitable for borders of other shrubs, and rocky banks. Branches angular, even zig-zagged, with handsome deep lobed foliage which colors to purplish red; and panicked racemes of white flowers in June. 18 to 24 in.—50 cts. each; \$4.00 per 10.

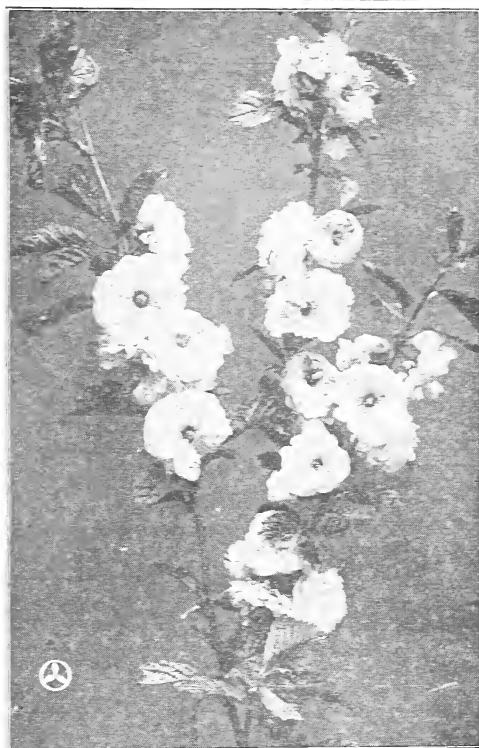
SYMPHORICARPUS. 3 to 5 feet.

Highly valued for use in densely shaded situations and for the striking beauty of their bright persistent fruits.

—**Snowberry.** (S. Racemosus.) Inconspicuous, rose colored flowers in June and July; followed by large clustered, milk white fruits which remain far into winter. The combination of pink flowers and white berries on the same twig is charming. 2 to 3 feet—70 cts.; \$6.00 per 10. Mail size, 20 cts. each.

—**Indian Currant.** (S. Vulgaris.) Similar to the Snowberry except that its fruits are red, and that the smaller red berries cluster in thick ropes along the weighed-down stems. Mail size, 20 cts. each.

2 to 3 feet—60 cts.; \$5.00 per 10.



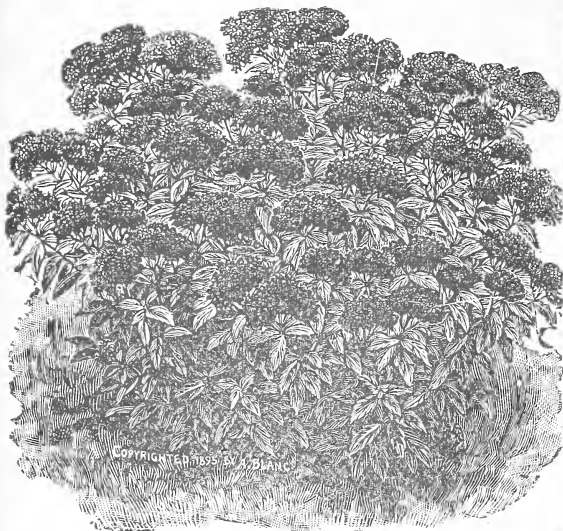
Prunus Triloba



Stephanandra Flexuosa



Snowberries



Spirea Anthony Waterer

SPIREA

All of the Spireas bloom with a riotous extravagance which makes them quite striking. Their individual style, color and habits of growth differ so markedly that a collection of varieties will ensure bloom the entire season and still evade the monotony of repetition.

All Spireas, except Prunifolia (no mail size), and Van Houtte—Mail size, 25 cts.

DWARF FORMS—2 to 3 feet

Anthony Waterer. Dwarf, bushy, of spreading type, with large corymbs brilliantly colored rosy crimson. Very free flowering at its best in late summer. This is practically the only good showy red flowered shrub sufficiently dwarf to be used in foundation plantings or the low front row of shrub groups.

15 to 18 in.—60 cts. each; \$5.00 per 10.

18 to 24 in.—75 " " 6.50 "

Callosa Alba. Large flat clusters of white flowers nearly all summer. 15 to 18 in.—70 cts. each; \$6.00 per 10.

Froebeli. Dwarf, and similar to A. Waterer, but a trifle taller than the type, with broader leaves. Bright crimson flowers in dense corymbs during July and August.

1½ to 2 feet—70 cts. each; \$6.00 per 10.

TALLER SORTS—3 to 10 feet

SPIREA Arguta Multiflora. (Snow Garland.) A slender, upright shrub, 3 to 5 feet high, with branches a snowy mass of clear white flowers in early May.

2 to 3 feet—75 cts. each; \$6.50 per 10.

Atrosanguinea. Of medium growth and small, bluish green foliage, blooming freely in pronouncedly hairy corymbs; deep pink. 2 to 3 feet—60 cts. each; \$5.00 per 10.

Billardi. A narrow, dense shrub 6 feet high, with dense panicles of rich pink flowers from July on.

2 to 3 feet—50 cts. each; \$4.00 per 10.

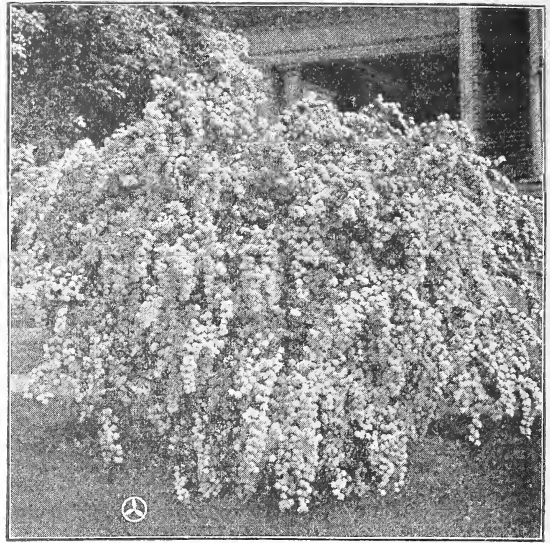
Douglasi. Upright in growth to 7 feet, with reddish brown branches and narrow, oblong leaves. Bears spikes of beautiful deep rose-colored flowers in July.

2 to 3 feet—50 cts. each; \$4.00 per 10.

3 to 4 feet—60 " " 5.00 "

Fortunei. Attains four to six feet of upright growth, with small flowers of varying pink shades set loosely in large much compounded corymbs during June and July. 1½ to 2 feet—60 cts. each; \$5.00 per 10.

Opulifolia. (Nine Bark.) Growth upright, attaining 8 to 10 feet, although the white heavy flower umbels in June make the branches droop; old flower heads



Spirea Van Houtte

turn to dark red, and make a striking variety of colors at different stages of maturity.

2 to 3 feet—50 cts. each; \$4.00 per 10.

3 to 4 feet—60 " " 5.00 "

—Aurea. (Golden Spirea.) Of similar habit to above, with young foliage of bright yellow changing to golden bronze in the fall.

2 to 3 feet—60 cts. each; \$5.00 per 10.

3 to 4 feet—70 " " 6.00 "

Prunifolia fl. pl. (Bridal Wreath.) Plum leaved foliage. Blooms early, even before Van Houtte, with clusters of small double white flowers. Early in autumn the leaves turn to very brilliant red.

2 to 3 feet—75 cts. each; \$6.50 per 10.

Reevesiana fl. pl. Slender, drooping branches and green leaves of continuous freshness, constitute a charming round bush seldom above four feet in height. The very compact flower umbels appear in May and June and are distinct in the richness of their very double creamy white flowers.

2 to 3 feet—50 cts. each; \$4.00 per 10.

3 to 4 feet—60 " " 5.00 "

Salicifolia. (Willow Leaved Spirea.) Grows to 5 feet. The willow-like foliage is quite shiny and attractive. Crowded panicles of pink flowers in mid-summer.

2 to 3 feet—60 cts. each; \$5.00 per 10.

Thunbergi. Forms a dense, fluffy bush, 3 to 5 feet high; the feathery foliage, which is a peculiar but pleasing shade of yellowish green, changing in autumn to bright red and orange.

18 to 24 in.—70 cts. each; \$6.00 per 10.

Van Houtte. Grandest of Spireas, one of the best of shrubs; complete fountain of pure white bloom in May and June. The foliage and bush shape is ornamental the year round. Mail size, 20 cts. each.

18 to 24 in. (2 year old stock)—30 cts. each; \$2.00 per 10.

2 to 3 feet—50 cts.; \$4.00 per 10; \$30.00 per 100.

3 to 4 feet—60 cts.; 5.00 per 10; 40.00 per 100.

TAMARIX

Tall growing shrubs, 8 to 12 feet high, with fine feathery foliage like that of the Juniper; small, unusually pink flowers from April on. Good in either wet or dry ground.

Gallica, Indica and Purpurea.

2 to 3 feet—60 cts. each; \$5.00 per 10. } Mail size, 25

3 to 4 feet—70 " " 6.00 " } cts. each.



VIBURNUM

A showy group of shrubs ranging from 5 to 12 feet in height, blooming lavishly in Spring and vividly brightening the Autumn aspect with gleaming fruits and richly colored foliage.

This family is the favorite source for berrying shrubs and are being more generally used in landscape work.

Cassinoides. Broad, flat topped panicles of creamy white in early summer, followed by pink berries which change to blue. 2 to 3 feet—\$3 cts. each; \$7.50 per 10.

Dentatum. (Arrow-wood.) 8 to 12 feet. Bright green, heart-shaped leaves turning to purple and red. May and June flowers of creamy white.

2 to 3 feet—60 cts. each; \$5.00 per 10.

Lantana. (Wayfaring Tree.) 10 to 15 feet. Beautiful wrinkled, Lantana-like leaves; white flowers in May and June. Fruits color unequally from crimson to black causing a most charming combination of colors throughout the summer.

2 to 3 feet—70 cts. each; \$6.00 per 10.

Lentago. (Sheepberry.) Grows to be a small tree 30 feet high. Flowers white in pretty cymes during May and June; fruit large oval, blue-black.

2 to 3 feet—60 cts. each; \$5.00 per 10.

Opulus. (High Bush Cranberry.) 8 to 10 feet. Handsome, dense, brilliant green foliage; a rich setting for large bunches of crimson berries which enliven the late summer and persist on bare branches into the winter.

18 to 24 in.—60 cts. each; \$5.00 per 10.

Plicatum. (Japan Snowball.) Erect, compact, growing 6 to 8 feet. Purple tinted foliage, a solid mass of white in June.

2 to 3 feet—\$5 cts. each; \$7.50 per 10.

Sterilis. ("Snowball" or Guelder Rose.) The common Snowball which helps out so bravely for Decoration Day, with its lovely white balls of bloom. 1½ to 2 feet—70 cts. each; \$5.00 per 10.

WEIGELA



Beautiful shrubs that bloom in May, June and July. The flowers are produced in so great profusion as almost entirely to hide the foliage.

Abel Carriere. Of all the hybrid Weigelas, this is one of the finest, growing to be a tall shrub in time. It blooms during May and June with great quantities of rose-carmine flowers with yellow spot in the throat. 2 to 3 feet—60 cts. each; \$5.00 per 10.

Rosea. Early flowering. Rose colored. 2 to 3 feet—60 cts. each; \$5.00 per 10.
3 to 4 feet—\$5 " " 6.50 "

Rosea Nana Variegata. Leaves margined and streaked creamy white; flowers pink. A pretty combination. Dwarf.

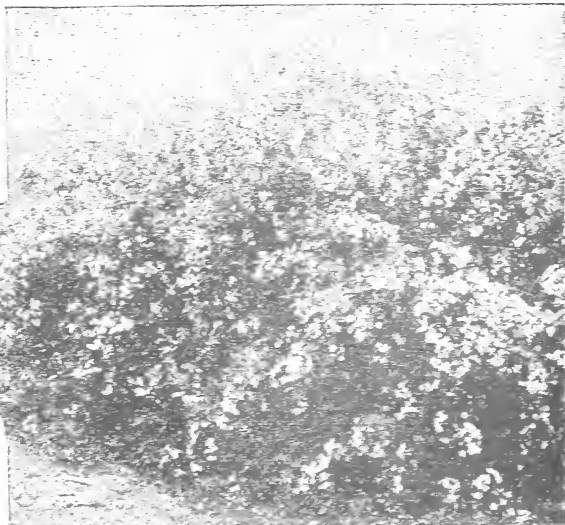
18 to 24 in.—50 cts. each; \$4.50 per 10.

Eva Rathke. The most distinct and one of the most attractive varieties; flowers deep carmine red.

1½ to 2 feet—\$5 cts. each; \$7.50 per 10.
2 to 3 feet—\$5.00 " " 6.00 "

Van Houtte. Flowers broad and flat, deep rosy red with orange markings in throat.

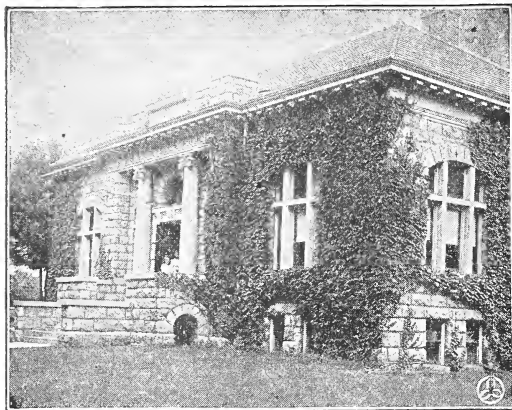
2 to 3 feet—70 cts. each; \$6.00 per 10.
3 to 4 feet—\$5 " " 7.50 "



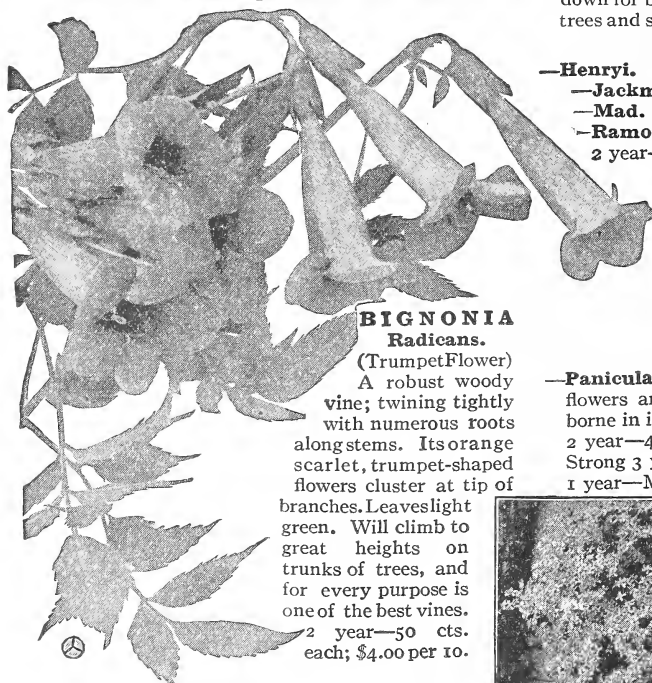
A Weigela Bush in Bloom

HARDY ORNAMENTAL CLIMBING VINES

Except noted, all vines offered are 2 year olds.
Except noted, the each rate is alike for Mail or Express; 10 or 100 rate by Express.



Four Years' Spread of Boston Ivy



BIGNONIA Radicans.

(Trumpet Flower)

A robust woody vine; twining tightly with numerous roots along stems. Its orange scarlet, trumpet-shaped flowers cluster at tip of branches. Leaves light green. Will climb to great heights on trunks of trees, and for every purpose is one of the best vines.
2 year—50 cts. each; \$4.00 per 10.

"Trumpet Flower"

AKEBIA Quinata. A perfectly hardy, fast growing Japan vine, with magnificent foliage never attacked by insects; producing chocolate purple flowers in large clusters, possessing a most delicious perfume; unsurpassed for covering trellises and verandas. 2 year—60 cts. each; \$5.00 per 10.

AMPELOPSIS Veitchi. (Boston Ivy.) This is one of the finest hardy climbers we have for covering walls, as it clings firmly to the smoothest surface, covering closely with overlapping foliage, giving appearance of shingles. The color is a fresh deep green in summer, changing to the brightest shades of crimson and yellow in autumn. 2 years—30 cts. each; \$2.50 per 10.

AMPELOPSIS Quinquifolia. (American Ivy, Woodbine, Virginia Creeper, etc.) Deeply cut leaves which turn to a beautiful crimson in fall; fine for covering trees, rocky slopes, walls, etc.
2 year—25 cts. each; \$2.00 per 10.

—**Englemanni.** Similar to above, but with smaller denser foliage. 2 year—30 cts. each; \$2.50 per 10.

—**Heterophylla.** A fine type for covering low walls and rocks; leafing densely and darkly, and being particularly showy in Autumn when they are red and the profusion of clustered fruit is prominent in various shades of blue.

2 year—60 cts. each; \$5.00 per 10.

CELASTRUS Scandens. (Bittersweet.) Handsome glossy foliage and large clusters of beautiful, orange crimson fruits retained all winter. Its graceful sprays of berries make charming winter house decorations. 2 year—50 cts. each; \$4.00 per 10. 1 year—Mail size, 20 cts. each.

CLEMATIS. Grand for pillars and trellises, pegged down for bedding and for running over rockwork, old trees and stumps. They delight in rich soil, and sun.

Large Flowered Varieties

—**Henryi.** Creamy white.

—**Jackmani.** Velvety, violet-purple.

—**Mad. Ed. Andre.** A distinct crimson red.

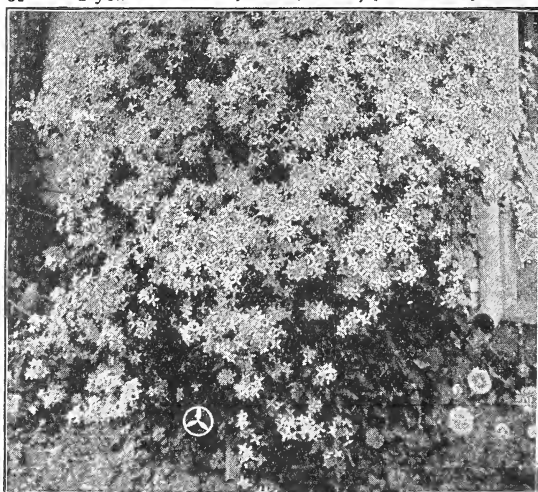
—**Ramona.** Deep sky blue.

2 year—\$1.00 each; \$9.00 per 10.

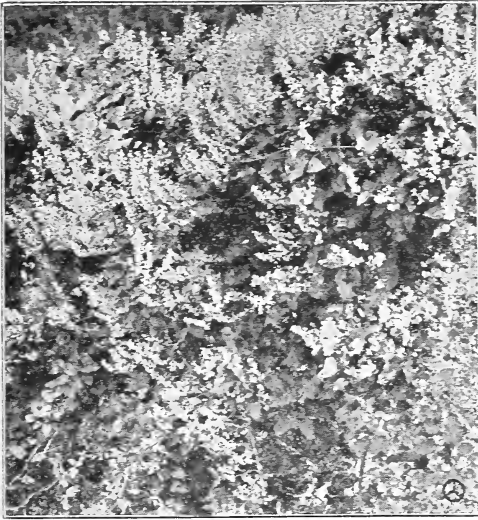
Small Flowered Varieties.

—**Coccinea.** A very handsome hardy climber, bearing small, thick, bell-shaped flowers of bright coral-red, in wonderful profusion from June until frost. Although not so rapid or extensive in growth as the Japanese type, its small, shiny foliage is quite ornamental. 55 cts. each; \$5.00 per 10.

—**Paniculata.** (Sweet-scented Japan Clematis.) The flowers are of medium size, fragrant, pure white, borne in immense sheets in September. 2 year—40 cts. each; \$3.50 per 10. Strong 3 year—55 cts. each; \$5.00 per 10. 1 year—Mail size, 20 cts. each; \$1.00 for 6.



Clematis Paniculata



"Silver Lace Vine"

EVONYMUS Radicans. One of the finest evergreen vines, with small, rich green foliage, and pink fruits in cells which separate and expose the scarlet arils. For covering rocky banks, rough walls, tree-trunks, etc., also for vases, baskets and borders of beds. Mail size, 20 cts. 15 to 18 inch (bushy) 30 cts. each; \$4.00 per 10.

—**Variegata.** Foliage edged with creamy white, which takes on a pinkish tinge in winter. 10 to 12 in.—50 cts.; \$4.00 per 10. Mail size, 20 cts.

—**Vegetus.** Essentially a low-wall cover. For this purpose it is unsurpassed; being close-covering, absolutely hardy, glossily evergreen, and bright throughout most of winter with its persisting orange-red berries. 1 year—35 cts. each; \$5.00 per 10. 2 year—70 cts. each; \$6.50 per 10.

KUDZU VINE. Large foliage and dense shade, growing 50 feet in one season. Flowers plentiful in August; rosy-purple, pea-shaped—in small racemes. A truly remarkable, handsome and serviceable porch vine wherever it is hardy enough to withstand the cold winters. Not reliably safe north of the Ohio river. 1 year—35 cts. each; \$3.50 per 10.

LONICERA. (Honeysuckle.) Their vining qualities are all that can be desired, but the delightful fragrance of their flowers makes their strongest bid for favor. The Honeysuckle perfume is remembered and loved throughout the world.

—**Aurea Reticulata.** (Golden-Leaved Honeysuckle.) Flowers yellow and fragrant. 50 cts.; \$4.00 per 10.

—**Halleana.** (Hall's Japan Honeysuckle.) Color, an intermingling of white and yellow; extremely fragrant and most satisfactory. Gets along fairly well in partial shade; and is used extensively as a ground cover. 50 cts. each; \$4.00 per 10. Mail size, 20 cts.

—**Henryi.** A recent introduction from China, where it has been found at an altitude of 6,000 feet; with almost evergreen foliage and distinct flowers of a peculiar bronzy-red color, produced in graceful panicles in early summer. 85 cts. each; \$7.50 per 10.

—**Sempervirens.** (Scarlet Trumpet Hskl.) Trumpet-shaped flowers of bright scarlet. 50 cts.; \$4.50 per 10.

LYCIUM CHINENSE. (Chinese Matrimony Vine.) A general utility hardy climbing vine that will overcome any obstacle to growth and flourish everywhere. Every new shoot produces handsome purple

flowers and later a prodigious crop of scarlet berries nearly an inch long. Is a practical carpet vine and highly efficient as a bank retainer on reasonable slopes; each joint that presses into the soil taking firm hold and establishing a colony of deep and spreading roots. 40 cts. each; \$3.50 per 10. Mail size, 20 cts. each.

POLYGONUM AUBERTI. (Silver Lace Vine.) This is the latest addition to our list of practical hardy vines, a quick-growing type of twining habit averaging 25 feet in a season. The small, cordate foliage is fresh and shiny, although the base of stalk becomes somewhat woody. Produces more bloom than any other hardy vine, covering a season extending from late summer into the fall with an extravagance of large, foamy sprays in silvery white. 2 year plants—75 cts. each; \$7.00 per 10.

HARDY CLIMBING ROSES. Although separately classed and handled, the many beautiful types of **HARDY CLIMBING ROSES** are acquiring prominence as an auxiliary to other vines; their clustered flowers bridging the gaps of early summer, with an extravagance of brilliant colors. Consult our extensive lists on page 108.

WISTARIA. One of the handsomest subjects for use on pergolas, porches and trellises; with attractive foliage and magnificent dense drooping clusters of pea-shaped flowers, crowning the top.

—**Sinensis.** Blue. Panicles about 12 inches long. 2 year, 75 cts.; \$6.50 per 10. 1 year, Mail size, 40 cts.

—**Alba.** White. 2 year, 75 cts.; \$6.50 per 10. 1 year, Mail size, 40 cts.

—**Magnifica.** Lavender-purple. 2 year, 60 cts.; \$5.00 per 10. 1 year, Mail size, 25 cts.



Chinese Wistaria

FRUIT TREE DEPARTMENT



Prospective customers will please note that: Owing to restriction of importations account of Federal Quarantine No. 37, and scarcity of experienced labor, nursery propagation and development of Fruit Trees has been greatly reduced. Stock of many varieties is available only in small quantities. The earliest cash orders get the goods in rotation, as long as supply lasts.

Filling Orders.

We are in position to fill orders for stock in this department as soon as this catalogue reaches you. If your order is accompanied by at least 25 per cent of full amount, we will at once assemble the fruit or other trees then in storage, and "set aside" under your name until the date set or weather conditions permit, for shipping. Naturally, stock not "in cellar" must await suitable digging weather.

GRADE. Please understand that "grade" and "class" refer to size. It would be very expensive and almost impossible to sort fruit trees to an exact height; they are therefore given a flexible grade, such as 3 to 4 feet, etc. When we list medium grade Apples as 4 to 5 feet, we are allowed one foot for variation. If you should order the maximum of five feet, the grade would change to first class, which is 5 to 7 feet, at a higher rate.

Shipments.

We have the largest frost-proof storage cellars in the business, which every winter harbor an immense amount of perfectly kept stock. We can load under their cover and on our private switch, car-load shipments at any time without danger of injury to stock. But less-car-load shipments must naturally wait the breaking of severe winter. No nursery provides better materials or greater care in packing than ours. Just as early as we can safely let them go, early delivery orders are rushed out; and we work hundreds of men day and night to avoid unnecessary delay for our customers.

BY FREIGHT OR EXPRESS. Every article not specially priced "Mail size" is priced for delivery by Freight or Express, packed free, but customer to pay transportation charges. All heavy trees in large quantities should be sent by freight if time is not too urgent, as the carrying charge is much less; and our perfect packing admits a long journey without injury to the trees. Strawberry plants, however, are perishable and must be delivered in quickest time possible. We never ship them by freight.

GOOSEBERRY, CURRANT and WHITE PINE QUARANTINE. Our customers IN THE WEST will please bear in mind that we are not allowed by the National Department of Agriculture to serve you in the matter of Currants, Gooseberries or Five-leaf Pines. Not that S. & H. stock is affected by "Blister Rust," but because Quarantine No. 26 arbitrarily excludes these articles from entrance into the territory west of Minnesota, Iowa, Missouri, Arkansas and Louisiana. Blister rust has broken out in several eastern states; so in order to protect the great Pine forests of the west, this dead line has been stretched across the states with

SUBSTITUTION. We reserve the right, in case we are out of a variety, to substitute another of equal merit when it can be done (always labeling with correct name)—unless the party ordering says "No Substituting;" in which case we will fill order as completely as we can and refund balance of remittance.

QUOTATIONS. We will be pleased to quote prices to anyone desiring different sizes of stock in larger quantities than offered herein. In sending list, state definitely the number of each variety and size wanted.

DESCRIPTIVE CATALOGUE No. 1. A complete edition of one of the most comprehensive nursery catalogues published, profusely illustrated with half tone cuts made from photographs of desirable specimens, containing 112 pages, giving full description of Fruit and Ornamental Trees, Small Fruits, Grapevines, Shrubs, Roses, etc., directions for planting, etc., will be mailed on receipt of 10 cents.

FRUIT TREES BY MAIL. Stock offered "Mail Size," will be delivered prepaid to your post-office. A cross (X) following descriptions indicates varieties we can supply in mail size. All one year old trees, vines, etc., well rooted, cut back to suitable size, guaranteed to reach you in good condition. Those wishing to save freight or express charges on long distance shipments, to plant young thrifty stock and train according to their own requirements, will find this size admirably suited to their needs.

severe penalties for non-compliance. Please help us nurserymen to observe the law, by not ordering.

CERTIFICATE OF INSPECTION, issued annually by the Ohio Dept. of Agriculture, showing freedom of our stock from San Jose Scale and other injurious insects and disease, will be attached to every shipment.

SPRAYING. The best time to spray, and the best formulas to use, vary so much in different localities that we do not try to give tables and formulas in this catalogue. Bulletins can be obtained of your State Agricultural Experiment Station, that will give full information.

Terms. Net cash with order. No discounts allowed. In the various classes, we will furnish 5 or more of one variety and size at 10 rates; 25 or more (not less than 5 of one variety and size) at 100 rates. REMEMBER THAT WE EMPLOY NO AGENTS, and are responsible only for orders sent to us through the mail or delivered in person.

Non-Warranty.

While we hold ourselves in readiness, on proper proof, to replace free of charge all trees, etc., that may prove untrue to label, or refund the amount paid, we give no warranty expressed or implied as to description, quality, productiveness or any other matter of any Nursery stock, seeds, bulbs or plants we sell.

(Signed)

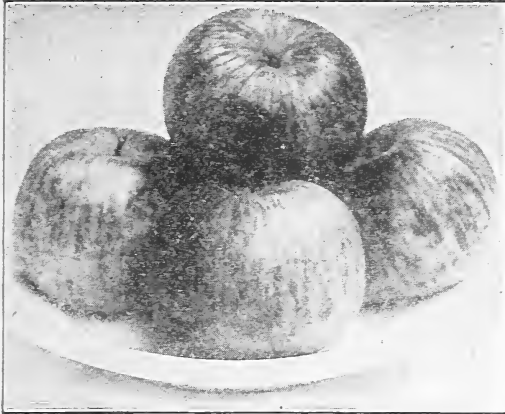
THE STORRS & HARRISON CO.

Our Guarantee.

All goods are guaranteed to reach you in good condition; mistakes, if made, will be promptly rectified. Accept shipment, examine and count on receipt and notify us at once should there be any errors, and the carrier as well, if any damaged stock. This guarantee not good unless above requirements are complied with. We do not guarantee growth. Remember a tree, shrub or plant is a living organism, as much as a cow, horse or man. It breathes, drinks and feeds and is liable to attacks of disease and insects. At prices we sell, it is impossible for us to guarantee growth or to be responsible for stock after delivery to our customers in good condition.

THE STORRS & HARRISON CO., PAINESVILLE, OHIO.





Duchesse of Oldenburg



King of Tompkins County

APPLES

THERE is a constantly increasing demand for high-quality fruit of all kinds, and in no class of fruit is the demand more noticeable than in Apples. With the proper selection of varieties and intelligent cultivation, there is no reason why the orchardist who makes a specialty of Apples should not have a business yielding him larger returns for the money and labor invested than almost any other horticultural industry. Where Apples are grown solely for home use, a wide range of varieties may be selected; and the extensive list of distinct kinds offered in our catalog afford the choicest varieties in all desirable types; and covering the entire range of ripening seasons.

Apple trees should be set 32 to 40 feet apart.

*This sign indicates the Russian and harder kinds.

This sign (X) indicates we can furnish in Mail size.

FILLERS. Most commercial orchards are now planted with standard varieties, 40 feet apart each way. Quick, upright growing, early maturing varieties are used as fillers, planting between standards to make 20 ft. apart; fillers to be removed when the standard trees require the room (12 to 18 years). This requires 28 standard and 82 fillers to the acre. **We recommend for fillers:**—Yellow Transparent, Duchesse of Oldenburg, Grimes Golden, McIntosh and Wealthy.

PRICE OF APPLES

| | Each | Per 100 | Per 100 |
|--|--------|---------|---------|
| Standard Varieties, 5 to 7 feet | \$0.85 | \$7.50 | \$65.00 |
| “ “ 4 to 5 feet | .70 | 6.00 | 50.00 |
| “ “ 3 to 4 feet | .50 | 4.50 | 40.00 |
| Special—Baldwin, Baxter, Delicious, Duchesse, Fameuse, Gravenstein, King David, Liveland, McIntosh, No. Spy, N. W. Greening, Opalescent, Rambo, R. I. Greening, Rome Beauty, Tolman Sweet, Wagener, Wealthy, Yellow Belleflower and Yellow Transparent— 5 to 7 feet | .90 | 8.50 | 75.00 |
| 4 to 5 feet | .80 | 7.50 | 65.00 |
| 3 to 4 feet | .55 | 5.00 | 45.00 |
| Red Canada— 1 year, 4 to 5 feet | .60 | 5.50 | 50.00 |
| 1 year, 3 to 4 feet | .50 | 4.50 | 40.00 |
| Crab Apples, 5 to 7 feet | .85 | 7.50 | 65.00 |
| “ “ 4 to 5 feet | .70 | 6.00 | 50.00 |
| Mail Size (X)— 50 cts. each, 3 for \$1.25. | | | |
| Dwarf Apples— See list of varieties | 1.50 | 13.50 | |

SUMMER APPLES

- Bough.** Large, pale yellow; tender, sweet. (X)
Early Harvest. Medium, pale yellow, tender, juicy.
Liveland Raspberry. Fruit good sized, clear, waxy white striped crimson; flesh snow white. Blooms late, is blight resistant, bears early, makes a good filler.
***Red Astrachan.** Large, beautiful deep crimson. A favorite eating and cooking apple. (X)
***Yellow Transparent.** Earliest and best; white, tender, juicy, sprightly, sub-acid. Grows rapidly, bears young, and makes a profitable “filler.” (X)

AUTUMN APPLES

- Autumn Strawberry.** Tender, juicy, productive.
***Duchesse of Oldenburg.** Good size, yellow, streaked red, juicy, sub-acid, productive. (X)
Fallwater. Large, yellowish green, productive.
Fall Pippin. Large, yellow, rich, aromatic.
Gravenstein. Large striped, fine quality, one of the best fall sorts.

Maiden Blush.

Large, beautiful, blush cheek. (X)

Munson Sweet.

Good size, yellow, red cheek.

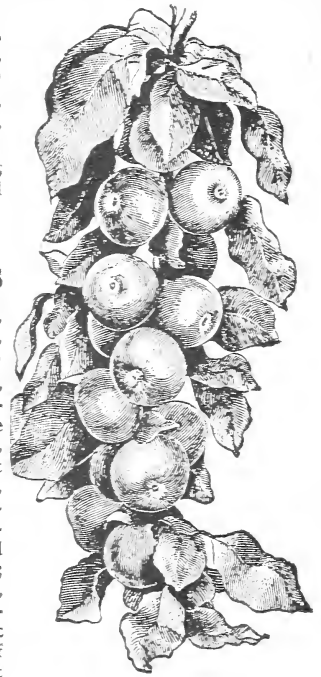
Rambo. Medium; yellow, streaked red. (X)

WINTER APPLES

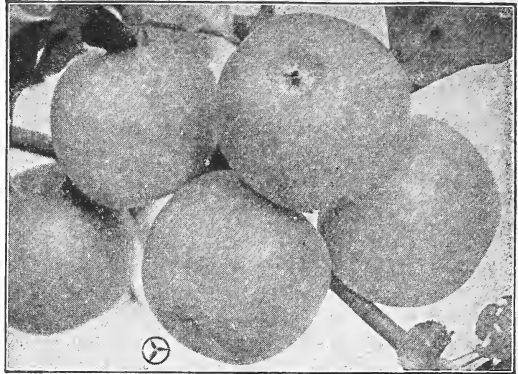
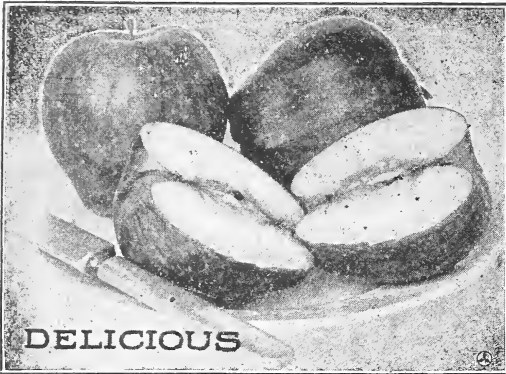
Baldwin. Large, bright red, crisp, juicy, rich. (X)

Banana.

Fine, vigorous grower, large healthy foliage, early bearer. Fruit medium to large, smooth and handsome, golden yellow usually shaded bright crimson; flesh fine grained, rich, sub-acid, aromatic, highest quality. One of the best dessert apples. (X)



Banana



Jonathan

WINTER APPLES—Continued

***Baxter.** A strong, vigorous grower, immensely productive, very hardy. Fruit uniformly large, handsome, showy red, mild acid, fine quality.

Ben Davis. Large, handsome, striped.

***Boiken.** Annual bearer, perfect foliage, vigorous grower. Fair size, yellow, tart acid, long keeper; at its best in spring when it is unexcelled for cooking.

Delicious. A remarkable variety rapidly taking first rank both for commercial and home orchards. Fruit large, nearly covered with brilliant dark red, flesh fine grained, crisp and melting, juicy, with a delightful aroma; of very highest quality. A splendid shipper, bearing annually. (X)

***Fameuse.** (Snow.) Medium, deep crimson, flesh white.

***Gano.** An improved Ben Davis, nearly covered red.

Gideon. Vigorous, early and prolific bearer. Medium golden yellow; fine juicy, sub-acid.

Golden Russet. Medium, dull russet, crisp, juicy.

***Grimes.** Good size, yellow, of highest quality. (X)

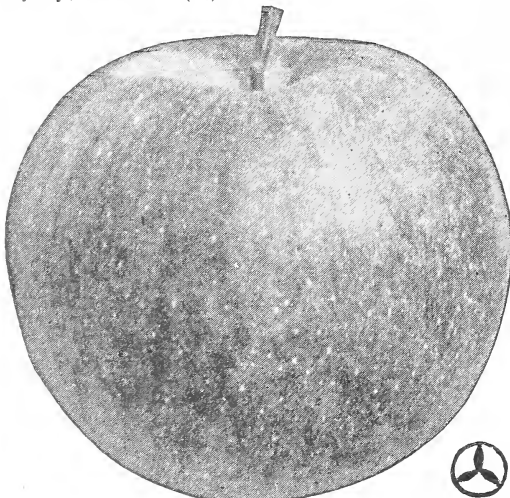
Hubbardston. Large, red, striped, tender, juicy.

Jonathan. Medium; red, extra quality. (X)

King (of Tompkins County.) Unusually large, red and striped, exceedingly productive.

King David. An improved Jonathan, as to color and productiveness, not quite as good quality. Medium size, dark red, a splendid shipper and keeper. Tree hardy, strong grower, comes into bearing young.

***McIntosh.** Medium, deep crimson, highest quality, juicy, sub-acid. (X)



Wealthy



Northern Spy. Large, striped, mild sub-acid and tender, with a rich, delicious flavor. (X)

***Northwestern.** (Greening.) Hardy, yellow; rich, of good size, extra long keeper.

***Ontario.** Large, yellow, nearly covered with bright red, juicy, sub-acid.

Opalescent. Color light, shading to very dark crimson; skin smooth, susceptible of a very high polish, reflecting objects like a mirror; flesh yellowish, tender, juicy and good. Dec. to March.

Paradise Winter Sweet. Large; creamy, rosy cheeked.

Paragon. (Mammoth Black Twig.) Large, dark red, hardy and productive, vigorous grower.

Red Canada. (Steel's Red.) This old familiar sort is seldom offered owing to the difficulty in most sections of growing good trees in the Nursery. We have succeeded in having grown for this year, a beautiful lot of extra fine one year old trees. A red apple belonging to the same group as Baldwin and Spitzenburg. When well grown on gravelly or sandy soils, one of the best apples of its season, on account of its desirable size, attractive form and color, and superior quality.

Mail size, 75 cts.; 3 for \$2.00.

Rhode Island Greening. Large, greenish yellow, tender, juicy, rich, acid. The old reliable Winter cooking apple, and also good for dessert. (X)

Rome Beauty. Large, yellow, shaded red; tender, juicy, sub-acid. A leader in Ohio River District. (X)

Stark. Large, striped light and red, juicy, mild, sub-acid. An early and abundant bearer.

Stayman Winesap. Larger and more prolific than Winesap. One of the finest grown for appearance, flavor and juiciness; a favorite for cider. (X)

Tolman. Medium, yellow and red, rich, sweet. The most valuable apple for baking, and otherwise fine.

Wagner. Good size, deep red in the sun; flesh firm, sub-acid, excellent. One of the earliest bearers, fruit often setting on trees still in the nursery rows.

***Wealthy.** Medium size, smooth, round, deep red; handsome and of fine quality. Oct. to Jan. (X)

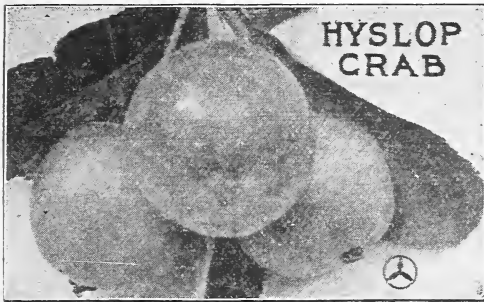
Winesap. Medium, deep red; firm, crisp, sub-acid.

***Wolf River.** Large, handsome; yellow, shaded and striped red, juicy, pleasant spicy flavor.

York Imperial. (Johnson's Fine Winter.) Medium to large; yellow, shaded red; firm, juicy, sub-acid.

DWARF APPLES

Set trees 8 to 10 feet apart. Very productive, usually commence bearing the second year after planting. Excellently adapted to yard and small gardens. Can furnish: Baldwin, Banana, Delicious, Duchesse, Fameuse, Grimes, King, Maiden Blush, McIntosh, No. Spy, Rambo, Red Astrachan, Stayman, Wealthy and Yellow Transparent—only.



CRAB APPLES

For preserving, jellies and ornament. All are unequaled for cider or vinegar. The trees are noted for their hardiness and vigor and usually bear the second season after planting.

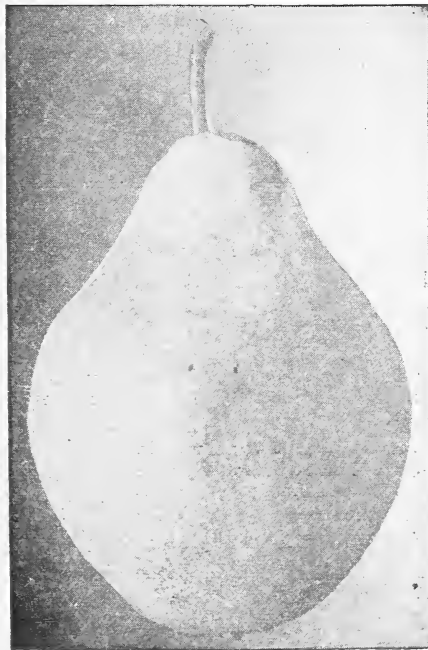
Hyslop. Large; deep crimson; one of the most beautiful; very popular. Oct. to Jan. (X)

Martha. Beautiful, glossy yellow, shaded bright red; good size, mild, clear, tart. Oct.

Whitney. One of the largest, glossy green, splashed carmine, firm, juicy, pleasant, great bearer; excellent for cider. August.

PEARS

THE Pear tree will grow on almost any good soil, but thrives best in a rather heavy clay or loam. Standards planted 18 to 20 feet apart, are best for permanent orchards; dwarfs at 10 feet intervals, for fruit gardens or small lots. Dwarfs must be planted deep enough to cover the junction of pear and quince 2 or 3 inches. Our pear trees are grown on heavy clay soil, especially well adapted to the production of strong, vigorous stock.



Bartlett

Two very important points in Pear culture are often neglected: the proper thinning and the gathering of the fruit. When the trees are heavily laden, the fruit should be thinned, or it will be poor and the trees injured. Summer Pears should be gathered about ten days before they are ripe; Autumn Pears at least a fortnight. Winter Pears may be stored in any dry cellar and kept until early summer; other varieties may be ripened on shelves in any cool, airy place.

All can be supplied as standards, and all varieties starred (*) can also be supplied as dwarf.



Clapp's Favorite

| PRICE OF PEARS | | Each | Per 10 | Per 100 |
|--|--|--------|---------|---------|
| Standard—General List, 5 to 7 feet... | | \$1.20 | \$10.00 | \$90.00 |
| " " " 4 to 5 feet... | | 1.00 | 9.00 | 80.00 |
| " Bosc, 5 to 7 feet..... | | 1.50 | ..... | ..... |
| " Bosc and Worden, 4 to 5 ft. | | 1.25 | ..... | ..... |
| " Early Harvest, Garber, Kieffer and Koonce— | | | | |
| 5 to 7 feet..... | | .70 | 6.00 | 55.00 |
| 4 to 5 feet..... | | .60 | 5.00 | 45.00 |
| Dwarf Pears, 4 to 5 feet..... | | .75 | 7.00 | 60.00 |
| " " 3 to 4 feet..... | | .65 | 6.00 | 50.00 |

Mail Size (X)—75 cts. each, 3 for \$2.00.

SUMMER PEARS

***Bartlett.** Large, buttery, juicy, high-flavored, great bearer; very popular. Aug. and Sept. (X)

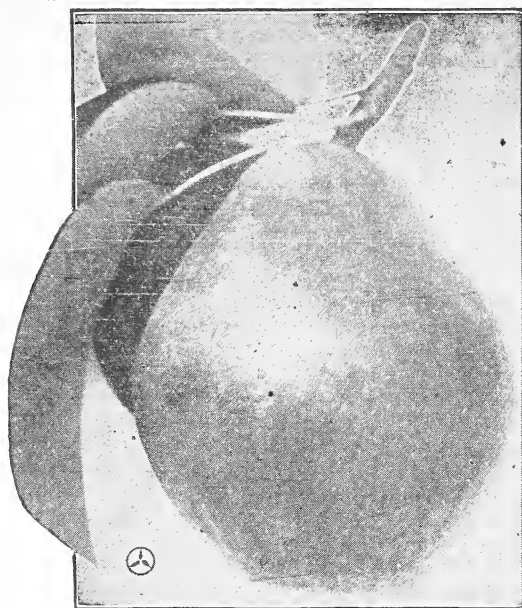
***Clapp.** Very large, yellow and dull red, with russet specks, melting, rich. August. (X)

Doyenne d'Ete. A beautiful small pear of delicious flavor, hardy and productive. Early Aug.

Early Harvest. Good size and color, fair quality. The best early variety in the south. July.

Koonce. Medium, yellow with carmine cheek. A profitable early market variety. July.

***Wilder.** Small to medium, yellow, shaded carmine, fine grained, tender, sub-acid. Vigorous grower Early Aug.



Flemish

AUTUMN PEARS

***Anjou.** Large, buttery, melting, rich, vinous. The best late fall and early winter variety. Oct. to Jan (X)

***Duchesse** (of Angouleme). Very large, buttery, rich, juicy, excellent. It succeeds to perfection and is the most popular market variety as a dwarf. Oct. and Nov. (X)

Flemish. Large, juicy, rich; one of the hardiest and most popular. Sept. and Oct. (X)

Garber. One of the Japan Hybrids; earlier and larger than Kieffer; hardy, productive, early bearer. Sept. and Oct.

***Howell.** Large, yellow, with red cheek, rich, sweet, melting, early bearer, productive. Sept. and Oct.

***Kieffer.** Its large size, handsome appearance, and remarkable keeping and shipping qualities make it very profitable for market. Oct. and Nov.

***Louise.** (Louise Bonne de Jersey.) Good size, greenish yellow, with a bright red cheek. Sept.-Oct.

Rosney. Ripens about two weeks after Bartlett, averaging larger; creamy skin with crimson blush; flesh melting, juicy, sweet and tender, of superior flavor. A vigorous grower, and very productive.

***Seckel.** Small; skin rich yellowish brown when fully ripe, with deep brownish red cheek; flesh very fine grained, sweet, exceedingly juicy, melting, buttery; one of the richest and highest flavored pears known. Equally popular for dessert and pickling. Tree a moderate grower. Sept. and Oct. (X)

Sheldon. Medium size; yellow, with a richly shaded cheek; flesh a little coarse, melting, juicy, with a very brisk, vinous highly perfumed flavor; of first quality. Oct.

Worden. A seedling of the Seckel; equal in quality while in flavor, size, color, form and appearance it is decidedly superior. Hardy and an enormous bearer; fruit keeps well; retaining its quality to the last. Oct.

WINTER PEARS

Bosc. Finest quality late fall and winter variety. Extra large, long and tapering; russet; good shipper, vigorous, brings highest market price. Our trees are all from virile new stock. Nov.-Dec. (X)

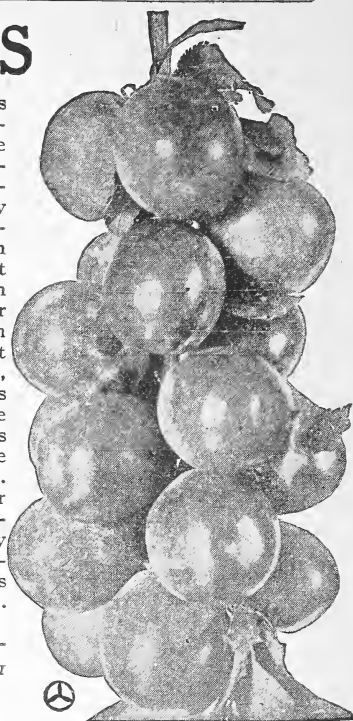
***Easter.** Large, yellow with red cheek; fine quality.

***Lawrence.** Medium, yellow with brown dots, melting, pleasant, aromatic. Nov. and Dec.

PLUMS

Annual sprayings with Bordeaux mixture keep away the leaf blight and fungus, and the thinning of too heavy crops of fruit prevents fruit rot. Plum trees are the best kind to set out in chicken yards; their full, rounded form furnishing abundant shade for the fowls, while the chickens obligingly eat up the brood of insects which threaten the health of the tree. The market for plums is rarely overstocked, and they bring good profitable returns. Set trees 16 to 20 feet apart.

(Note the illustration of Lombard, 21 on a branch.)

PRICE OF PLUMS
2 year—European and

| | Each | Per 10 | Per 100 |
|-----------------------------|--------|---------|---------|
| Japan , 5 to 7 ft.. | \$1.40 | \$12.50 | ..... |
| 4 to 5 ft.. | 1.20 | 10.00 | ..... |
| " Lombard, 5 to 7 ft.. | 1.00 | 9.00 | \$80.00 |
| Prunus —Pissardi and | | | |
| Othello, 4 to 5 ft.. | 1.00 | 9.00 | ..... |
| 3 to 4 ft.. | .85 | 7.50 | ..... |

Mail size (X), 90 cts.; 3 for \$2.50.

EUROPEAN PLUMS

Archduke. Large, black, prolific, valuable addition to late varieties for home use or market. Early Oct.

Bavay's Green Gage. ("Reine Claude.") Large, round-ovate; green, marked with red in the sun; hang long on the tree. One of the best foreign varieties. Late Sept. (X)

Bradshaw. Large dark red, flesh green, juicy; productive, fine for market. Aug. (X)

Diamond. One of the most attractive. Enormous size, dark purple with beautiful bloom. Tree vigorous, productive and hardy. Sept.

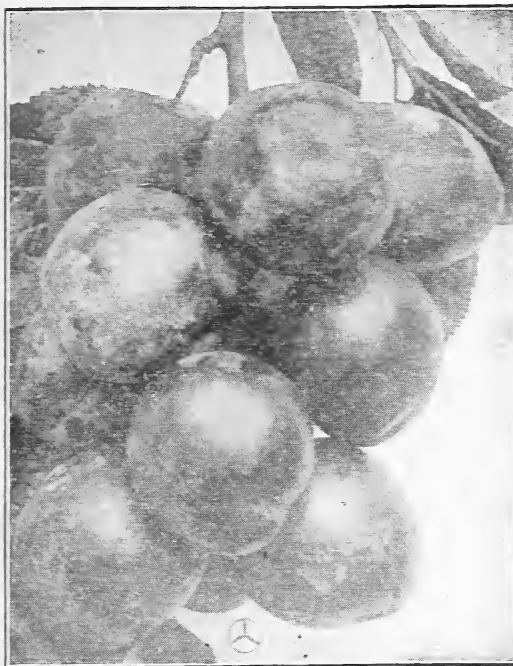
German Prune. Large, dark purple, sweet, good. One of the most popular for canning, because of its sweetness, and lack of aciduous "richness." Sept. (X).

Grand Duke. Color of Bradshaw; fruit very large, of fine quality, free from rot; very productive. Tree moderate grower. Last Sept.

Italian Prune. (Fellenberg.) Good size; purple, juicy, delicious, fine for drying. Sept.

Imperial Gage. Large pale green, juicy; sweet; rich and excellent. Aug.

Lombard. Medium; violet red, juicy; good; hardy and exceedingly productive; probably the leading market variety, extensively used for pies. Aug. (X)

**Monarch****EUROPEAN PLUMS—Continued**

Monarch. Tree robust, dense foliage, and abundant bearer. Fruit very large, roundish, oval, dark purplish blue, perfect freestone. Follows Grand Duke in ripening. Oct. (X)

Peters Yellow Gage. Large, oval, bright yellow; rich, juicy, fine quality. A good grower. Sept.

Shippers' Pride. Large, dark purple, very showy, often measuring 2 inches in diameter; fine, juicy and sweet. Sept.

Shropshire Damson. Medium, dark purple, very productive; one of the best for preserving. Oct. (X)

Yellow Egg. Very large, egg-shaped, productive, excellent for cooking. Aug.

JAPAN or ORIENTAL PLUMS

The Japanese Plums are strong growing ornamental trees with light green foliage and attractive bloom, wonderfully productive and usually commence bearing the second or third year after planting. Fruit of nearly all varieties are large, fine quality, with firm, meaty flesh. They bloom very early; not adapted to sections subject to late spring frosts.

Abundance. (Botan.) One of the oldest and best Japanese varieties; hardy, productive. Fruit large, lemon yellow, with heavy bloom; good quality. Aug.

Burbank. Most profitable among growers for market; ripens 10 to 14 days after Abundance. Tree hardy, sprawling vigorous grower, unequalled in productiveness; bears young. Fruit large, excellent quality; cherry red, with lilac bloom. Aug. (X)

Maynard. Sturdy, strong and very rapid grower, with heavy luxuriant foliage. Fruit is very large, nearly round, color deep, dull red, thin whitish bloom. Flesh firm, melting and juicy, rich and sweet, extra fine quality. Its shipping qualities are unsurpassed. Follows Climax in ripening.

October Purple. A strong, vigorous grower, hardy, productive, of good quality; a large, round, late purple plum, especially recommended for late market.

Red June. One of the vigorous, upright growers; productive; fair size, vermilion red; pleasant quality. Ripens a week before Abundance. Aug.

Santa Rosa. Tree a strong, vigorous, upright grower. Fruit uniformly large, deep purplish crimson with blue bloom; flesh purple shaded scarlet; pit small; the eating quality is unequalled, rich, fragrant, delicious; ripens with the earliest.

Satsuma. Blood. Large, globular, with sharp point. Color, purple and red with blue bloom. Flesh firm, juicy, dark red or blood color, fine quality; pit very small. Hardy and vigorous grower. Aug.

Wickson. Fruit remarkably handsome, very large, long heart-shaped, color deep maroon red covered with white bloom; flesh firm and meaty, yellow, rich and aromatic; cling; pit small. Tree an upright vigorous grower. Excellent keeper and shipper, planted largely for market. Early Sept.

Two Plums with Purple Leaves

Othello. Tree is an upright grower, and a prolific bearer; fruit deep crimson, about one inch in diameter, ripening before the very earliest of ordinary plums. The foliage is of the most brilliant reddish purple, and holds its color throughout the season. (X)

Prunus Pissardi. A small sized tree with very rich purple leaves, carrying their color through the season. (X)

NECTARINES

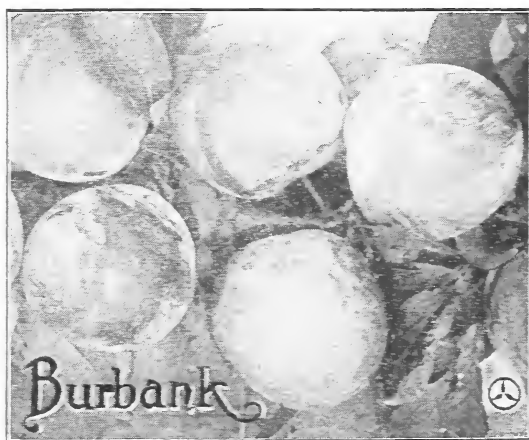
The Nectarine has a smooth skin like the plum, and requires the same treatment for curculio. It is like the peach in other ways and requires the same culture. Its pungent, sprightly flavor is remindful of both, but with an added deliciousness all its own. Set trees 16 to 18 feet apart.

PRICE OF NECTARINES

| | Each | Per 10 |
|---|--------|--------|
| 4 to 5 feet..... | \$6 55 | \$7 50 |
| 3 to 4 feet..... | 75 | 6 50 |
| , Mail size (X), 60 cts., 3 for \$1 50. | | |

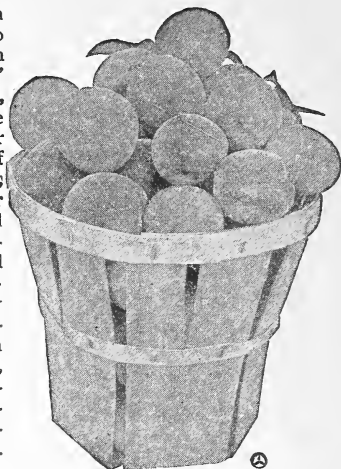
Boston. Bright yellow, red cheek; flesh yellow. (X)

Red Roman. Greenish yellow, red cheek; flesh golden. (X)



PEACHES

THRIFTY orchards of virile, well-grown Peach trees have done much to bring wealth to many a farmer in the great Peach belts of Ohio and Michigan; and serve as living memorials to the virility, health and quality of the nursery stock sent out by "The Painesville Nurseries." Our nurseries have been the main source of supply during half a century, for hundreds of the finest Peach Orchards in the country. Aside from the established policy of propagation, care and cultivation, the location of our propagating fields, close to and overlooking the health-giving waters of Lake Erie, and far removed from old orchards which might spread infection, probably has much to do with the unbounded success and popularity of our salable trees.



The unsurpassed "Elberta"

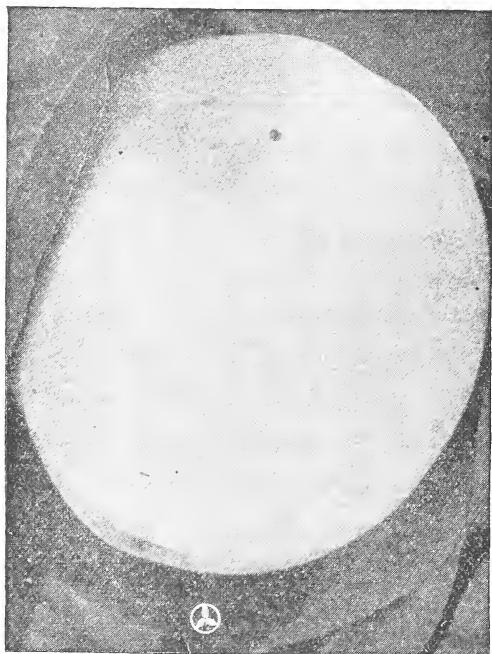
| PRICE OF PEACHES | Each | Per 10 | Per 100 |
|--|--------|--------|---------|
| 4 to 5 feet..... | \$0.50 | \$4.50 | \$40.00 |
| 3 to 4 feet..... | .45 | 4.00 | 35.00 |
| 2 to 3 feet..... | .35 | 3.00 | 25.00 |
| Elberta, J. H. Hale, Rochester and Wilma— | | | |
| 4 to 5 feet..... | .60 | 5.00 | 45.00 |
| 3 to 4 feet..... | .50 | 4.50 | 40.00 |
| 2 to 3 feet..... | .40 | 3.50 | 30.00 |
| Mail size—All varieties listed—45 cts.; 5 for \$2.00. | | | |

Alexander. Medium, greenish white nearly covered with rich red; melting, juicy, sweet. July.

Banner. Tree a good grower, exceedingly hardy in both wood and bud, bears young, is very productive. Fruit large, deep yellow with crimson cheek; flesh yellow, excellent quality, rich, firm; equal to any as a keeper and shipper. A profitable late market variety. Late Sept.

Barnard. Medium, yellow, juicy and rich. Hardy and productive. Early Sept.

Beers. A large, yellow flesh peach, an improvement on Smock Free, which it resembles. Ripens a few days later and is a better annual bearer. One of the most desirable and profitable market sorts, a favorite for late canning.



Capt. Ede

Trees are all grown from Tennessee natural pits, free from insects, perfectly healthy, well ripened wood, with splendid roots, all stored in frost-proof cellars beyond injury during the winter. Set trees 16 to 18 feet apart.

Belle. (Belle of Georgia.) Very large; skin white with red cheek; flesh white, firm and of excellent flavor. Tree a rapid grower, very prolific. Ripens with Crawford's Early.

Carman. Large, resembles Elberta in shape; color, creamy white or pale yellow with deep blush, skin very tough, flesh tender, fine flavor, quite juicy. August.

Capt. Ede. A handsome, large yellow peach of excellent quality; hardy in bud and blossom. Early Sept.

Champion. Large variety, creamy white, red cheek, sweet, rich and juicy. Hardy and productive. August.

Chinese Cling. Large, white, shaded red, fine quality. A favorite variety in the South. August.

Crosby. One of the hardiest; abundant, medium, bright yellow, fine quality. Middle September.

Dewey. Ripens with Triumph, better form, color; hardy, productive, earliest and best yellow freestone. July.

Early Crawford. A magnificent large yellow peach of good quality. Early in September.

Early Elberta. Ripens about a week earlier than Elberta; otherwise the same, or a trifle better quality.

Elberta. Large, yellow, with red cheek; flesh yellow, firm, juicy, of high quality.

Exceedingly prolific, sure bearer and hardy. The leading market variety. Follows Early Crawford.

Heath Cling. Very large, flesh white, juicy and melting. Good keeper and shipper. One of the prime favorites among clingstones. October.

J. H. Hale. Probably no new peach has ever been introduced claiming to be so much superior in all ways. It averages one-third to one-half larger than Elberta, ripens about five days earlier and is much superior in flavor. Color a beautiful golden-yellow, with deep carmine blush. It has been tested and largely planted in many sections of the country.

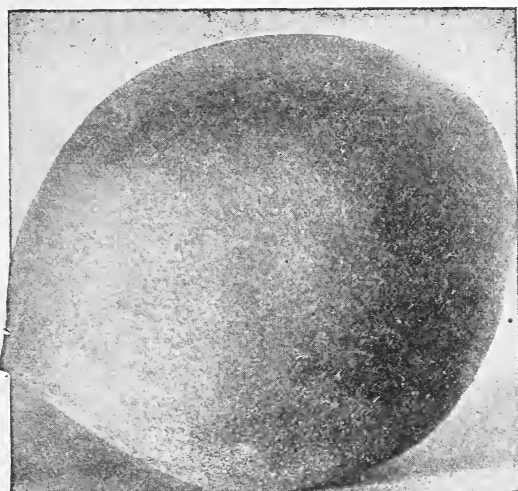
Kalamazoo. A leading market sort. Large, yellow, fine quality. Productive and profitable. Early Sept.

Late Crawford. A superb, large, yellow peach. One of the best. Late September.

Lemon Cling. Large, pale yellow, dark red cheek, hardy and productive. September.

Lemon Free. Lemon-shaped and colored, large size, immensely productive, excellent quality. One of, if not the best, for canning. September.

Mayflower. Bright red cheeked. Carries to market in fine shape and sells well, as it is the only early peach that is well colored. Inclined to overbear, it should always be thinned. July.



Early Elberta—P. 146

PEACHES—Continued

Mountain Rose. Large, red, flesh white, juicy, excellent; one of the best. August.

Niagara. A very large, yellow peach, ripening between Crawford and Elberta; surpassing both in size, color, quality and vigor.

Old Mixon Cling. Large, yellow with red cheek; juicy; high quality. Late September.

Old Mixon Free. Large, pale yellow, deep red cheek, white flesh, tender, rich, good. September.

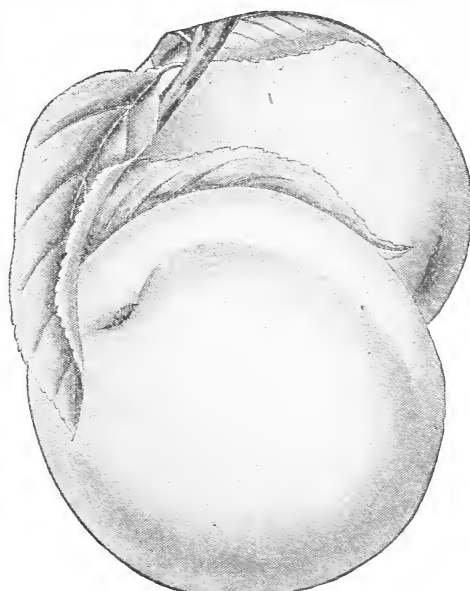
Prolific. Large, attractive, firm, flesh yellow, fine flavor; hardy, productive. September.

Rochester. A yellow freestone variety having the exceptional merits of being early (ripening about August 10), extraordinary sweetness and early bearing. Fruit is large, yellow, sweet, juicy and of delicious flavor; keeping and shipping well; skin prettily blushed. Tree is strong growing and hardy, an annual and prolific cropper.

Salway. Large, creamy yellow, red cheek, flesh deep yellow, juicy, rich, sweet. October.

St. John. Nearly as large as Crawford, fully equal in color. Fruit round, brilliant, showy; one of the earliest yellow peaches. August.

Slappey. A fine new early yellow freestone, accepted in various peach belts. It resembles Elberta, is of excellent quality and ripens during July.



Stearns

Stearns. A perfect freestone, with yellow flesh and brilliant red skin. As a shipper it cannot be surpassed. Tree is a strong, upright grower, extremely hardy, free from disease. Considered by introducer as the best market peach grown. Follows Elberta.

Stump. Large, white, bright red cheek. End of Sept.

Williams. Large, handsome, hardy, very productive, excellent shipper. One of the most profitable clingstones. Mid. September.

Wilma. The fruit is large as Elberta (its parent), not quite so elongated; color very much better, and ripens about ten days later. Its more attractive color outsells Elberta when side-by-side on the market.

APRICOTS

Their fruit ripens between Cherries and Peaches. The trees, as hardy as the Peach, should be planted on a northern or western exposure to prevent early blooming. They need the same treatment for curculio as the Plum. Set trees 16 to 18 feet apart.

PRICE OF APRICOTS

| | Each | Per 10 |
|------------------|--------|--------|
| 4 to 5 feet..... | \$0.75 | \$6.50 |
| 3 to 4 feet..... | .60 | 5.00 |

Mail size (X), 50 cts.; 3 for \$1.25.

EUROPEAN VARIETIES

Early Golden. Small, pale orange, juicy and sweet.

Montgamet. Fruit large, round, early, deep yellow with a fine blush; flesh yellow, firm, juicy and excellent. Tree hardy, a good grower. (X)

Moorpark. Yellow, with red cheek, juicy, sweet and rich, freestone, very productive. (X)

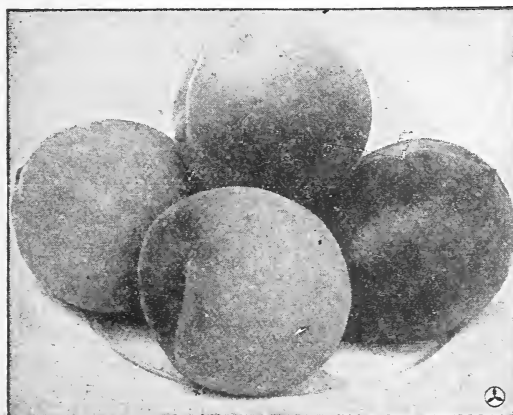
Royal. Large, yellow, juicy, rich and delicious; a very fine variety.

RUSSIAN VARIETIES

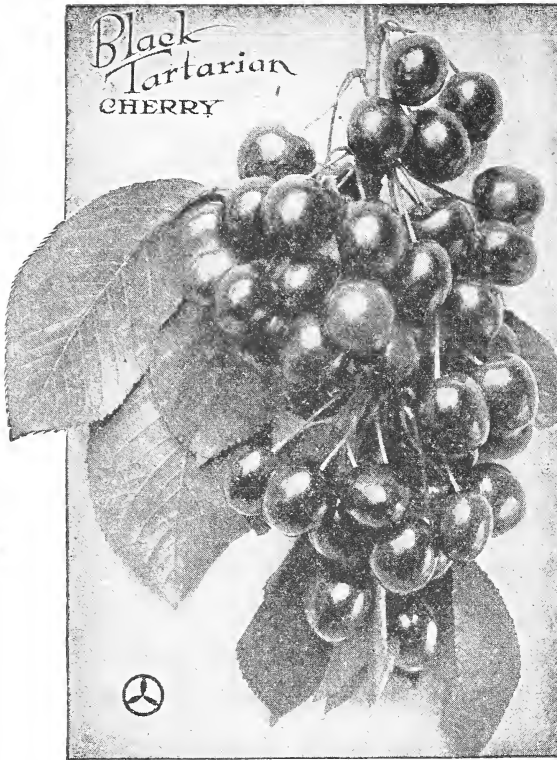
These are quite distinct from the European varieties, hardier and will produce fruit when other apricots fail. Recommended where peaches cannot be grown. They are all early bearers and productive.

Alexander and Alexis.

Superb. A hardy seedling from Kansas. The best flavored, most productive hardy apricot yet produced. (Medium size, light salmon color.) (X)



Niagara



CHERRIES

Naturally hardy, succeeding best on sandy or gravelly loam, well drained. Avoid low or wet ground. Sweet varieties grow more rapidly and make larger pyramidal trees. Set trees 18 to 20 feet apart. The Sour varieties are dwarf and bushy, bear earlier; are more largely planted. Set trees 15 to 18 feet apart.

| PRICE OF CHERRIES | Each | Per 10 | Per 100 |
|-------------------------|--------|---------|---------|
| Sweet, 5 to 7 feet..... | \$1.50 | \$13.50 | ..... |
| " 4 to 5 feet..... | 1.35 | 12.00 | ..... |
| Sour, 4 to 5 feet..... | 1.00 | 9.00 | \$80.00 |
| " 3 to 4 feet..... | .90 | 8.00 | 70.00 |

Mail size (X)—Sweet—90 cts.; 3 for \$2.50.

Mail size (X)—Sour—75 cts.; 3 for \$2.00.

SWEET CHERRIES

Bing. Very large, dark brown—almost black; flesh firm, sweet, rich and delicious. One of the most profitable sorts. July.

Black Tartarian. Very large, black, juicy. Last of June. (X)

Gov. Wood. Large, light red, juicy, rich, delicious. Tree healthy and productive. June.

Lambert. Jet black when fully ripe. Flesh firm; solid, rich and juicy. Tree rugged, strong grower, hardy, enormous bearer. Late July.

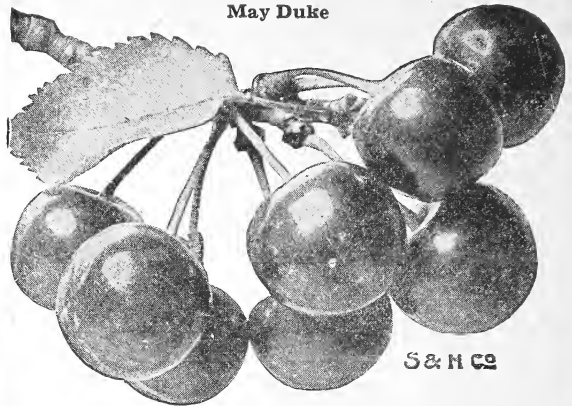
Napoleon. Large, pale yellow or red; firm, juicy; sweet and productive. July. (X)

Rockport. Large, pale amber, light red in sun, sweet; good. Tree erect; beautiful. June.

Schmidt. Immense size, deep black, flesh dark, tender, very juicy, fine flavor; productive. July.

Windsor. Fruit large, liver-colored, distinct, flesh remarkably firm and of fine quality. Tree hardy and prolific. A valuable late variety. July.

Yellow Spanish. Large, yellow and red. June.



SOUR CHERRIES

Baldwin. Large, round, slightly sub-acid, sweetest and richest of the Morello type. June.

Dyehouse. A sure bearer, largely planted for early market; ripening a week before Early Richmond, which it closely resembles. June. (X)

Early Richmond. Medium, dark red, melting, juicy, sprightly, rich acid, best. July. (X)

English Morello. Fair size, blackish red, rich acid, juicy, good. August. (X)

Hortense. (Reine Hortense.) Large, bright red, juicy; mildest, sweetest in this class. July.

Large Montmorency. Large, red, productive, ten days later than Early Richmond. Late June. These two varieties are seldom absent from any Cherry orchard, large or small. (X)

Late Duke. Large, light red, delicious fruits. Tree strong and upright, exceedingly productive. July.

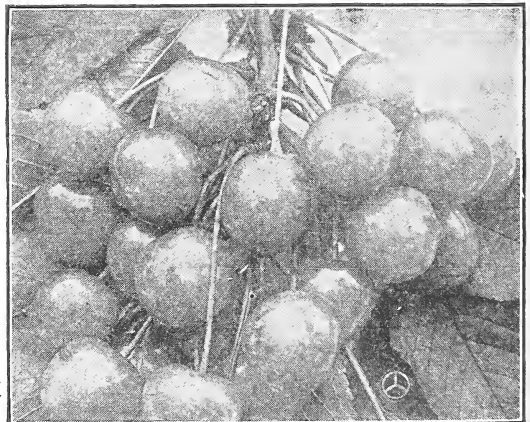
Louis Phillipe. Large, dark red, almost black, sprightly mild acid; stone small. July.

May Duke. Large, red, juicy, rich. June. Not so sour as some varieties, and very pleasant for sensitive teeth. (X)

Montmorency Ordinaire. Large, red, acid, exceedingly productive. Late June.

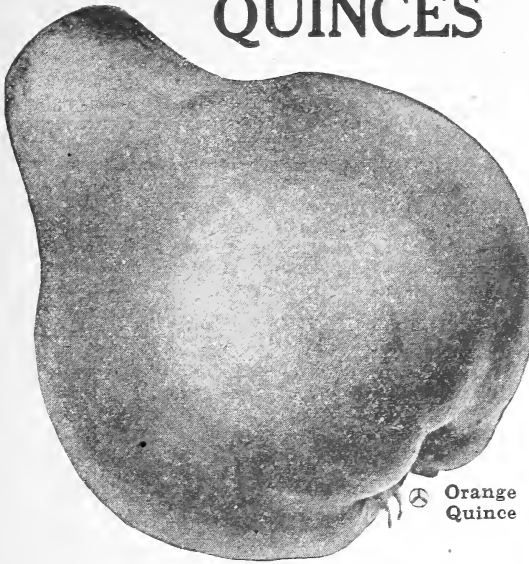
Ostheimer. A perfectly hardy, late blooming, immensely productive variety. Large, heart-shaped, nearly black when ripe; juicy and rich. Aug.

Wragg. Very hardy, vigorous and productive, medium, dark purple, fine quality. Aug.



Napoleon

QUINCES



Orange
Quince

The Quince crop is usually reliable and not often destroyed by capricious weather variations. The fruits are quite fragrant, and the trees and bloom highly ornamental. Set trees 10 to 12 feet apart.

PRICE OF QUINCES

| | Each | Per 10 | Per 100 |
|------------------|--------|---------|---------|
| 4 to 5 feet..... | \$1.10 | \$10.00 | \$90.00 |
| 3 to 4 feet..... | 1.00 | 9.00 | 80.00 |

Mail size (X) 75 cts.; 3 for \$2.00.

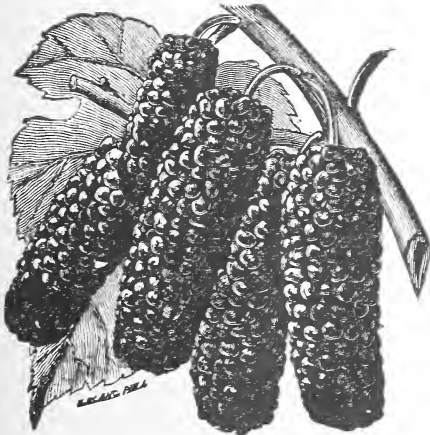
Champion. A prolific, very young and constant bearer, fruit averaging larger than the Orange, more oval in shape; quality equally fine, and a long keeper. Ripens late. (X)

Meech. A vigorous grower and immensely productive. The fruit is large, lively orange yellow, of great beauty and delightful fragrance; its cooking qualities are unsurpassed.

Orange. Fruit large, bright yellow, of excellent flavor. Oct. (X)

Rea. A seedling of the Orange, averaging much larger, of the same form and color; productive.

MULBERRIES



Downing.

Very large, black, handsome, sweet, rich, and excellent. (X).

New American.

Equal to Downing in all respects, and a much hardier tree. Vigorous grower, very pro-

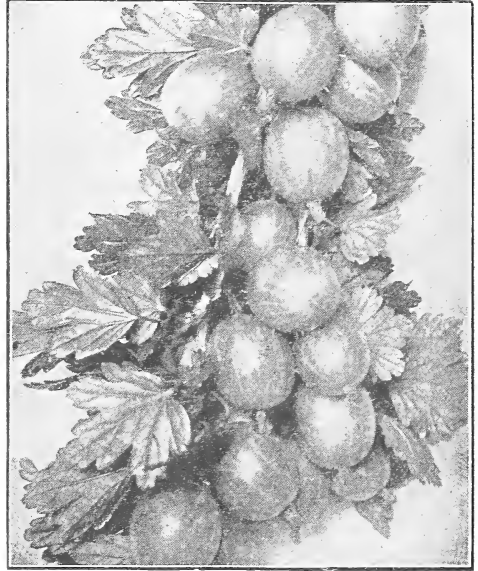
ductive; the best variety for fruit; ripe from middle June to September. (X)

Russian. Very hardy, vigorous grower; valuable for feeding silk worms, for hedges, fences and waste food supply in poultry yards. Fruit of small size, varies in color from white to black. (X)

PRICE OF MULBERRIES

| | Each | Per 10 | Per 100 |
|--|--------|--------|---------|
| Russian, 4 to 6 feet..... | \$0.60 | \$5.00 | \$45.00 |
| " 3 to 4 feet..... | .50 | 4.00 | 35.00 |
| " 1 year, by mail (X)..... | | .75 | 2.50 |
| " " by express..... | | | 2.00 |
| (\$15.00 per 1000.) | | | |
| New American and Downing, 4 to 6 feet..... | 1.25 | 10.00 | |
| Mail size (X) 75 cts.; 3 for \$2.00. | | | |

GOOSEBERRIES



Downing

Account of Blister Rust Quarantine No. 26, no Gooseberries may be shipped west of Minn., Ia., Mo., Ark. and La.

The three fine varieties listed below are all of American origin, and well tested in all sections. Set 3 to 4 feet apart, in good rich soil, and give a liberal dressing of manure every season. Yearly pruning is essential. To prevent mildew spray bushes soon as leaves appear and several times during the summer with potassium sulphide (liver of sulphur)—one ounce to four gallons of water.

PRICE of GOOSEBERRIES

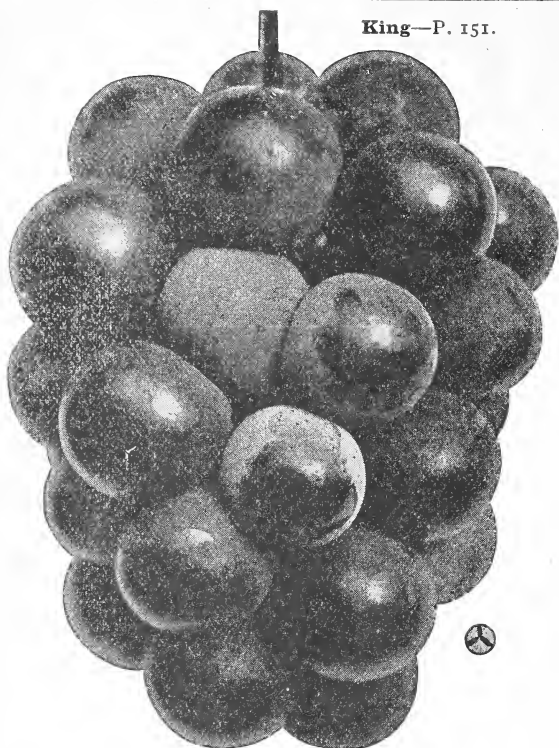
| | Each | Per 10 | Per 100 |
|-----------------------|--------|--------|---------|
| Downing, 1 year..... | \$0.30 | \$2.50 | \$18.00 |
| " 2 years..... | .35 | 3.00 | 25.00 |
| Houghton, 1 year..... | .20 | 1.50 | 12.00 |
| " 2 years..... | .25 | 2.00 | 15.00 |
| Josselyn, 1 year..... | .35 | 3.00 | 25.00 |
| " 2 years..... | .40 | 3.50 | 30.00 |

Downing. Large, handsome, pale green, and of splendid quality for both cooking and table use; bush vigorous grower, and usually free from mildew. By mail, 35 cts. each; \$1.00 for 4.

Houghton. Medium; roundish, oval, pale red, sweet tender, very good; plants spreading; shoots slender, enormously productive. By mail, 30 cts.; \$1.00 for 5.

Josselyn. Large sized, smooth, prolific and hardy, of best quality; freest from mildew, both in leaf and fruit, of them all. A wonderful cropper, with bright, clean, healthy foliage. By mail, 40 cts.; \$1.00 for 3.

King—P. 151.



GRAPES

EVEN under unfavorable conditions the grape-vine will bear fruit, but good culture, pruning and spraying should be applied if the best quality of fruit is desired. No part of the fruit garden yields a richer harvest than the vineyard. Along almost any garden fence or walk there is room for vines enough to furnish luscious grapes from July to November. In such situations they may be planted about 8 feet apart. In vineyard rows set the vines 6 to 10 feet apart, with 8 feet of space between the rows. Make the soil mellow, and plant the vines somewhat deeper than they stood in the nursery.

| PRICE OF GRAPE VINES | | Each | Per 10 | Per 100 |
|----------------------|--------------|--------|--------|---------|
| Agawam, | 1 year..... | \$0.20 | \$1.50 | \$13.00 |
| " | 2 years..... | .25 | 2.00 | 18.00 |
| Brighton, | 1 year..... | .30 | 2.50 | 20.00 |
| " | 2 years..... | .40 | 3.50 | 30.00 |
| Caco, | 1 year..... | .75 | 7.00 | ..... |
| " | 2 years..... | 1.00 | 9.00 | ..... |
| Campbell, | 1 year..... | .25 | 2.00 | 18.00 |
| " | 2 years..... | .35 | 3.00 | 22.00 |
| Catawba, | 1 year..... | .25 | 2.00 | 18.00 |
| " | 2 years..... | .35 | 3.00 | 25.00 |
| Concord, | 1 year..... | .15 | 1.20 | 7.00 |
| \$60 per 1000. | | | | |
| " | 2 years..... | .20 | 1.50 | 12.00 |
| Delaware, | 1 year..... | .30 | 2.50 | 20.00 |
| " | 2 years..... | .40 | 3.50 | 30.00 |
| Diamond, | 1 year..... | .25 | 2.00 | 18.00 |
| " | 2 years..... | .35 | 3.00 | 25.00 |
| Green Mountain, | 1 year..... | .50 | ..... | ..... |
| " | 2 years..... | .60 | ..... | ..... |
| Ives, | 1 year..... | .25 | 2.00 | ..... |
| " | 2 years..... | .30 | 2.50 | 20.00 |
| King, | 1 year..... | .40 | 3.50 | ..... |
| " | 2 years..... | .50 | 4.00 | ..... |
| Lindley, | 1 year..... | .20 | 1.50 | 13.00 |
| " | 2 years..... | .25 | 2.00 | 18.00 |
| Martha, | 1 year..... | .30 | 2.50 | ..... |
| " | 2 years..... | .35 | 3.00 | 25.00 |
| Moore's Early, | 1 year..... | .25 | 2.00 | 15.00 |
| " | 2 years..... | .30 | 2.50 | 18.00 |
| Niagara, | 1 year..... | .20 | 1.50 | 12.00 |
| " | 2 years..... | .25 | 2.00 | 17.00 |
| Pocklington, | 1 year..... | .30 | 2.50 | ..... |
| " | 2 years..... | .40 | 3.50 | ..... |
| Regal, | 1 year..... | .40 | 3.50 | 30.00 |
| " | 2 years..... | .50 | 4.00 | 35.00 |
| Salem, | 1 year..... | .25 | 2.00 | 17.00 |
| " | 2 years..... | .30 | 2.50 | 20.00 |
| Worden, | 1 year..... | .20 | 1.50 | 12.00 |
| " | 2 years..... | .25 | 2.00 | 15.00 |
| Wyoming, | 1 year..... | .25 | 2.00 | 15.00 |
| " | 2 years..... | .30 | 2.50 | 20.00 |

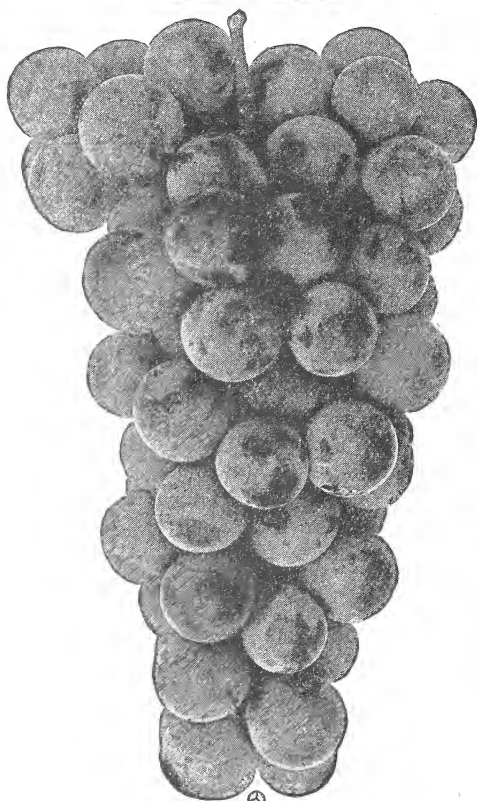
BY {Unless noted, 1 year vines, 30 cts., 4 for \$1.00
MAIL {Unless noted, 2 year vines, 45 cts., 3 for \$1.00

BLACK GRAPES

Campbell. Strong grower, with large, healthy foliage; productive. Ripens with Moore's Early. Bunch and berry large glossy black with blue bloom, sweet and juicy, seeds few and small, part readily from the pulp.

Concord. The leading market; vineyard and home garden variety, with which all others are habitually compared. No matter how small the number of grapes planted in the yard, Concord is almost sure to be included; and in regular vineyards throughout the country, Concord has been depended upon for the main crop. By mail, 1 year, 20 cts.; 6 for \$1.00.

Ives. Berries and compact bunches medium size; excellent wine quality.



Worden—P. 151.

King. Is as hardy and strong a grower as the Concord. Color the same. The pulp is more tender, flavor nearly the same, but more sprightly, ripening between Worden and Concord. The berry is too large and bunch too compact to make it a good long distance shipper, but for local high priced trade or family use it is one of the best. By mail, 1 year 50 cts.; 2 years 60 cts.

Moore's Early. Bunch medium, berry large round, with heavy bloom, vine exceedingly hardy. Its earliness makes it desirable for an early market and particularly adapts it to Canada and northern portions of the United States; also succeeds admirably in the South.

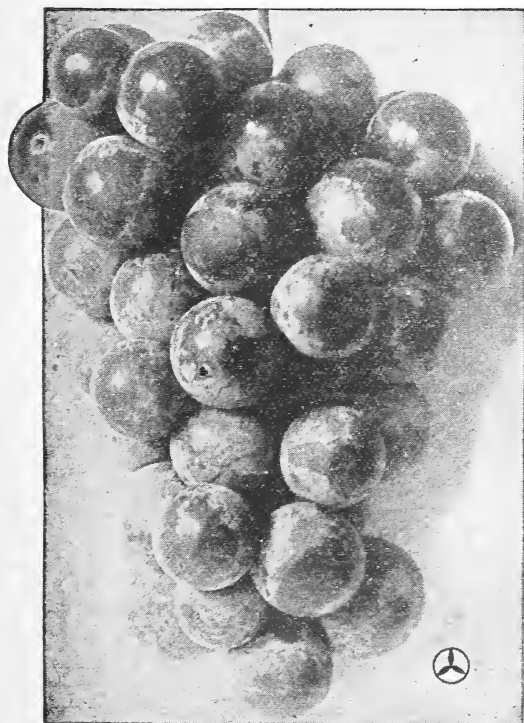
Worden. Resembles Concord, but is sweeter, larger in bunch and berry, and a week to ten days earlier.

RED or AMBER GRAPES

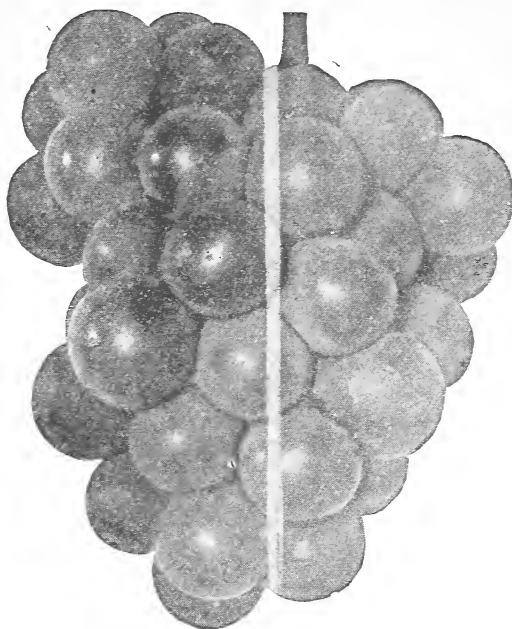
Agawam. Berries large, thick skinned, sweet, aromatic, sprightly. Closely follows Concord, keeping much longer.

Brighton. High quality, handsome, large, productive, adaptable. One of the most popular reds.

Caco. A new variety originating in Delaware and widely heralded as the very best red grape known. Its name is a combination of Catawba and Concord from which two standard sorts it was derived. Caco seems to have overcome the few defects in either parent, exemplifying all of their strongest virtues; thus presenting an individuality without precedent in Grape culture. The vines are strong and vigorous, as yet untouched by disease of any kind. The fruit is very large in handsome, complete bunches; in color a rich wine red over amber. Exceptionally early bearing, usually showing several good-sized bunches the second year. Its flavor is luscious, sweet, delightful, distinctive. By mail, 1 year 70 cts.; 2 years 95 cts.



The New Caco Grape



Regal-Red

Catawba. A great wine grape; fine for dessert; an extra long keeper. Ripens late; when full ripe, color dull copper red, flavor richly sweet and musky.

Delaware. The exquisite little American dessert grape. Handsome, reliable, very highest quality; with an unmatched spiciness and sweetness.

Lindley. (Rogers' No. 9.) Berries medium to large; flesh tender, sweet and aromatic; ripens early.

Regal. Very hardy, having endured thirty degrees below zero without injury. A short-jointed, vigorous and healthy grower; ripens its wood early. Exceedingly productive. The cluster is of a very desirable size—medium to large—cylindrical, very compact and alluring; berries very large, dark red, juicy, piquantly flavored; pulp tender, seeds easily freed; skin thin but tough. By mail, 1 year, 45 cts.; 2 years, 60 cts.

Salem. A good, reliable variety, well colored; sprightly flavored.

Wyoming. Hardy, early, productive, good sized in bunch and berry; brisk, sweet flavor.

WHITE GRAPES

Diamond. The leading early white grape, ripening before Moore. White, with rich yellow tinge, juicy; few seeds, almost free from pulp, excellent quality; above medium size, adheres firmly to stem.

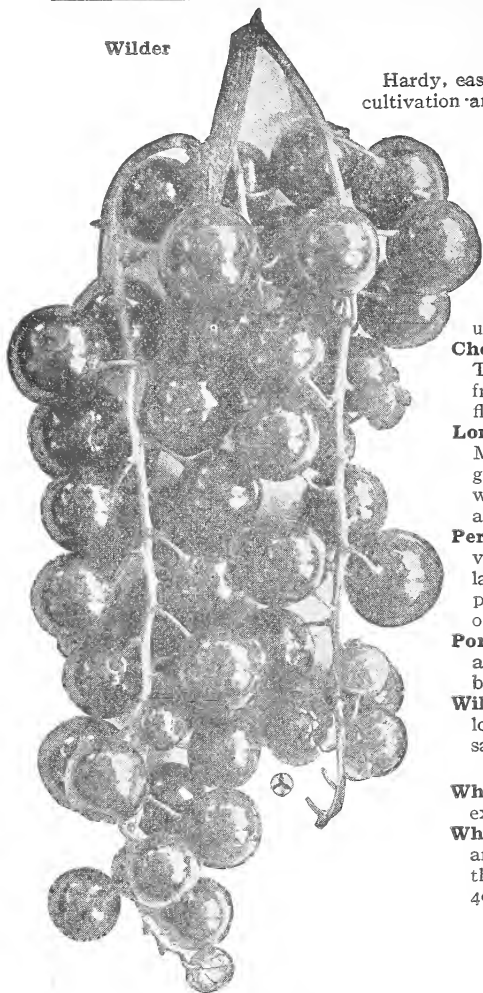
Green Mountain. (Winchell.) An extra early variety from Vermont. Skin thin, pulp tender and sweet, quality superb. Bunch and berry medium size. Vine hardy, vigorous and productive. By mail, 1 year, 55 cts.; 2 years, 70 cts.

Martha. Bunches and berries of medium size; greenish white, with a thin bloom. Ripens with Concord.

Niagara. The standard white grape, occupying the same position among the white varieties as Concord among the black. Bunch and berries larger, greenish white changing to pale yellow when fully ripe. Skin thin but tough; a rampant grower, good for arbors.

Pocklington. Beautiful golden color when ripe, enhancing the delight of its luscious sweetness and individual flavor. Ripens late and keeps well. It is juicy and tender, with very little pulp.

Wilder



CURRENTS

Hardy, easily cultivated, standing neglect well, and liberally responding to cultivation and generous treatment; indispensable for table use, jellies, etc.; and large quantities are required for market.

Set 4 feet apart in rich ground; cultivate well or mulch heavily; prune out old wood so that each remaining shoot will have room to grow. If the currant worm appears, dust with hellebore.

Account of Blister Rust Quarantine No. 26, no currants may be shipped west of Minn., Ia., Mo., Ark. and La.

RED CURRENTS

Fay. The leading market variety. Extra large stems and berries. uniform in size, easily picked, exceedingly productive.

Cherry. Large berries on short clusters; a robust, fruitful sort. The vigorous, stocky bushes produce great quantities of bright red fruit. The berries have thin skins, and possess a remarkably fine flavor.

London Market. For many years this variety has been fruiting in Michigan where it is regarded as the best market variety of that great fruit State. Plant is extremely vigorous with perfect foliage, which it retains through the season; an enormous cropper. For any use—home garden or market—one of the best.

Perfection. A cross between Fay's and White Grape, retaining the valuable characteristics of both parents. Beautiful, bright red, as large or larger than Fay's, holding its size to end of bunch; easy to pick; a superior bearer, less acid and of better quality than any other large currant in cultivation. By mail, 1 year, 40 cts.; 3 for \$1.

Pomona. Medium size, clear bright red, excellent quality. Hangs a long time after ripening. Holds up well on market. Is one of the best for shipping. Easily picked.

Wilder. Compared with the celebrated Fay is equal in size, with longer bunch, better in quality, with much less acidity, ripens at same time, continues on bush much longer, fully as prolific.

WHITE CURRENTS

White Grape. Very large; yellowish white; sweet or very mild acid; excellent quality and valuable for the table.

White Imperial. Vigorous grower, very productive. The sweetest and richest white currant extant. Fruit larger and stems longer than White Grape. The best of all for a dessert fruit. Mail size, 40 cts.; 3 for \$1.00.

BLACK CURRENTS

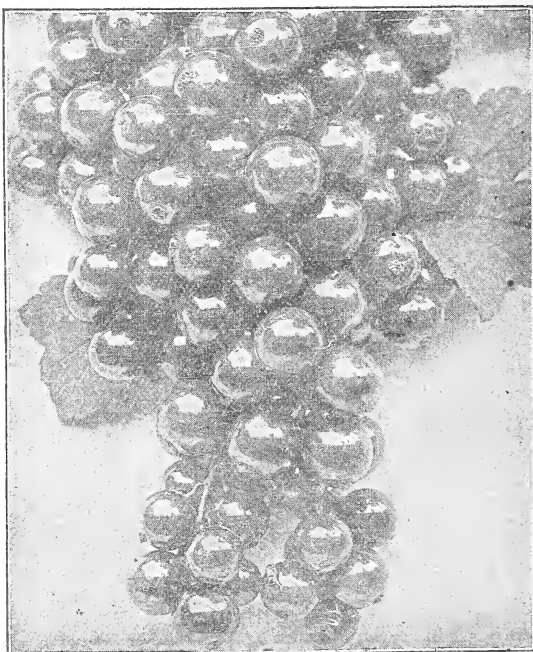
Champion. Very productive, large bunch and berry.

Victoria. A strong, vigorous grower, making a neat bush of unfailing productiveness; fruit of fine flavor and enormous size.

Boskoop. A new black claimed to excel all older sorts in vigor, productiveness and size of fruit.

| PRICE OF CURRENTS | Each | Per 10 | Per 100 |
|---|--------|--------|---------|
| Black —Black Victoria, Black Champion, and Boskoop—1 year..... | \$0.20 | \$1.50 | ..... |
| 2 years..... | .25 | 2.00 | ..... |
| Red —Fay and London Market, 1 year..... | .20 | 1.50 | \$12.00 |
| 2 years..... | .25 | 2.00 | 15.00 |
| Cherry, 2 years..... | .25 | 2.00 | 18.00 |
| Pomona, 1 year..... | .20 | 1.50 | ..... |
| Perfection, 1 year..... | .30 | 2.50 | 20.00 |
| " 2 years..... | .35 | 3.00 | 25.00 |
| Wilder, 1 year..... | .15 | 1.20 | 10.00 |
| " 2 years..... | .20 | 1.50 | 12.00 |
| White —White Grape, 1 year.. | .20 | 1.50 | 12.00 |
| " " 2 years.. | .25 | 2.00 | 15.00 |
| " Imperial, 1 yr.. | .30 | 2.50 | ..... |
| " " 2 yrs.. | .35 | 3.00 | ..... |

Unless noted, 1 year, by mail, 30 cts.; 4 for \$1.00.



Perfection



A Branch of the New "Miller" Blackberry

BLACKBERRIES

Should be planted in rows six to seven feet apart, three to five feet in the row. Keep the ground light and rich. Pinch the canes back when they have reached four feet in height.

| PRICE of BLACKBERRIES | Each | Per 10 | Per 100 |
|--|--------|--------|---------|
| Ancient Briton, Early Harvest, and Snyder..... | \$0.10 | \$0.70 | \$5.00 |
| Blowers and Eldorado..... | .10 | .80 | 6.00 |
| Miller..... | .15 | .95 | 7.50 |
| Lucretia Dewberries..... | .10 | .40 | 2.50 |

By mail, unless noted, 15 cts.; 10 for 95 cts.; 25 for \$1.50; 100 for \$5.75.

Ancient Briton. For general planting for homes or market in all sections subject to severe winters, the Ancient Briton is recommended as a first-class variety.

Blowers. Originated in the celebrated small fruit belt of Chautauqua County, N. Y. Claimed to be the hardiest and most productive, and to bring on the market the highest price of all blackberries. Has produced 2694 berries on one bush, 2720 quarts on 1-3 acre. Large size, jet black, good shipper, best quality; unexcelled productiveness are the main characteristics of this splendid new sort.

By mail, 15 cts.; 15 for \$1.25; 100 for \$6.75.

Early Harvest. Not entirely hardy in the north and needs winter protection. Its earliness, combined with good shipping qualities, make it very profitable. Compact dwarf grower, enormous bearer. Fruit medium size.

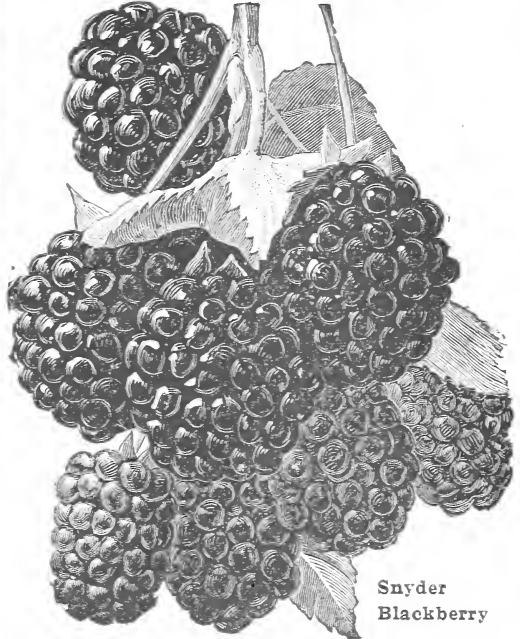
Eldorado. The vines are very vigorous and hardy, enduring the winters of the far northwest without injury, and their yield is enormous. Berries large, jet black; borne in large clusters, and ripen well together, they are very sweet, melting and pleasing to the taste; have no hard core, and keep eight or ten days after picking with quality unimpaired. By mail, 15 cts.; 15 for \$1.25; 100 for \$6.75.

Miller. This variety is supposed to be a descendant of the hardy old Taylor, crossed by some of the larger fruited sorts—was grown by Mr. D. J. Miller ten years before we bought the entire stock. One of the finest large blackberries, hardy and very prolific; canes strong and robust, has produced fruit one inch in diameter and one and one-half inches long. Fruit dark color, sweet and juicy, no core. Mail size, 20 cts.; 10 for \$1.50; 25 for \$2.25.

Snyder. Enormously productive, medium sweet, no hard, sour core. The leading variety where hardiness is the consideration. Ripens early.

DEWBERRY

Lucretia. It equals any of the tall-growing sorts. Perfectly hardy, healthy and remarkably productive, with large, showy flowers. The fruit, which ripens early, is often one and one-half inches long by one inch in diameter; soft, sweet and luscious throughout. By mail, 10 cts.; 12 for \$1.00; 100 for \$4.50.

Snyder
Blackberry

RASPBERRIES

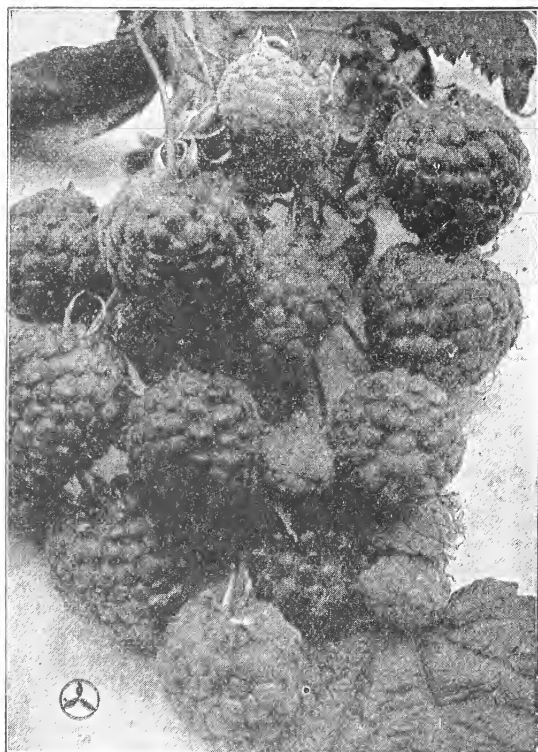
Will do well on any soil that will produce a good corn crop. Land should be thoroughly prepared and well enriched; ground bone is one of the best fertilizers. Keep well cultivated and free from weeds and suckers. As soon as they have done bearing, cut out the old wood to give more vigor to the young canes. All kinds of Raspberries are benefitted by mulching both in summer and winter. Plant in rows five feet apart, three feet apart in the row.

| PRICE OF RASPBERRIES | Per 10 | Per 100 |
|----------------------------------|--------|---------|
| Black—Cumberland and Plum | | |
| Farmer..... | \$0.60 | \$3.50 |
| " Kansas and Gregg..... | .60 | 4.00 |
| Red—Cuthbert..... | .60 | 4.00 |
| " Columbian..... | .60 | 5.00 |
| " June..... | .75 | 6.00 |
| " King and Marlboro..... | .60 | 4.00 |
| " Perfection..... | .75 | 6.00 |
| " St. Regis..... | .60 | 4.00 |
| Yellow—Golden Queen..... | .85 | 7.00 |

By mail, unless noted, 10 cts.; 10 for 75 cts.; 100 for \$4.50.

YELLOW RASPBERRIES

Golden Queen. A beautiful, large golden yellow berry, seedling of the Cuthbert and surpassing that variety in size, beauty, quality and adaptability. Canes hardy, of strongest growth, productive. Should be in every garden, its beauty and high quality placing it at the head for table use. By mail, 10 for 95 cts.; 100 for \$7.75.



Cuthbert

RED RASPBERRIES (See price list P. 153)

Cuthbert ("Queen of the Market.") A remarkably strong, hardy variety; standing the northern winter and southern summers equal to any. Very large, conical berries, measuring three inches around, so firm they can be shipped hundreds of miles by rail in good condition; flavor is sweet, rich and luscious. The leading market variety for main crop.

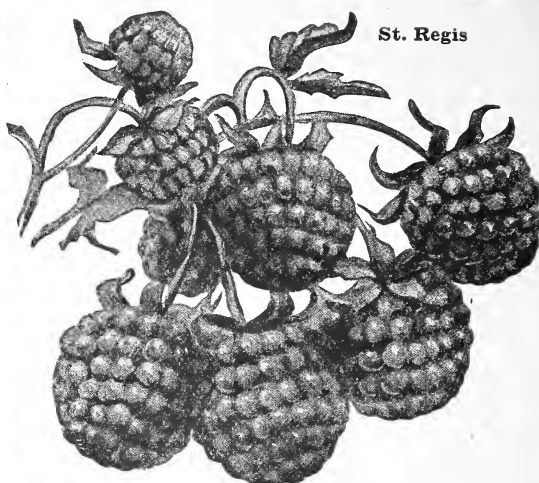
Columbian. Very large, purplish color, rather soft; rich, sprightly flavor unrivalled for canning, making jam, jelly, etc.; wonderful vigor and productiveness. By mail, 10 cts. each; 10 for 85 cts.; 100 for \$5.75.

June. The earliest and only kind to fruit in June, thus earning its pretty name. A first-class variety with fruit superior to the old timers, and earlier, which is also as vigorous in growth, hardy; and as adaptable to all kinds of soil. June bears heavily and with undiminished size over a long period, the fruit shipping well and making a handsome appearance in the markets. It shows the bright red color of London; is larger and rounder than Cuthbert; its quality is equal to any; and—joy to the pickers,—it has no thorns. Mail size, 25 cts. each 10 for 85 cts.; 100 for \$6.75.

King. Plant is a strong grower. Berry is firm, a good shipper; large size; beautiful bright scarlet color; ripens with the earliest.

Marlboro. Large size, light crimson color; good quality and firm. Vigorous and productive. The best, well tested, large, early berry for the North.

Perfection. The strongest grower, making canes 10 feet in height, which are perfectly smooth; tied to stakes it has stood twenty degrees below zero without injuring a bud. Berries bright crimson, mammoth size, in large clusters. By mail, 10 for 85 cts.; 100 for \$6.75.



St. Regis

St. Regis. (Ranere.) Fruit commences to ripen with the earliest and continuing on young canes until October, many quarts often being picked after the first snow fall. Berries bright crimson, large size, rich, sugary with full raspberry flavor. Flesh firm and meaty, a good shipper. Wonderfully prolific. Canes stocky, of strong growth, with abundance of dark green leathery foliage.

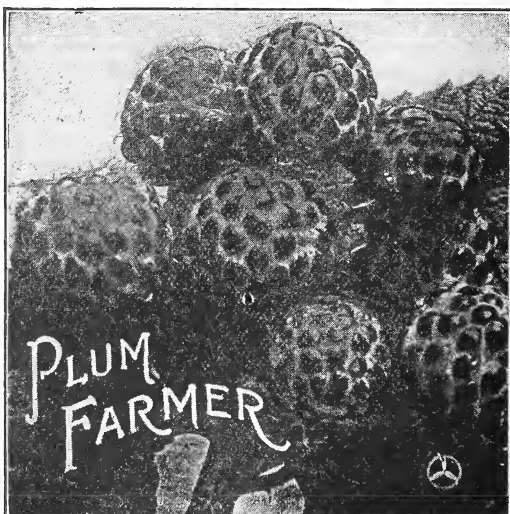
BLACK RASPBERRIES

Cumberland. A healthy, vigorous grower, throwing up stout, stocky, well branched canes that produce immense crops. Fruit very profitable; large, firm, quality about same as Gregg, keeps and ships as well as any of the blacks. Mid-season.

Gregg. For many years the leading standard best known market sort. Very productive, large size, firm, meaty berries, covered with heavy bloom.

Kansas. Vigorous grower, standing extremes of drouth and cold, and bearing early immense crops. Berries size of Gregg, of better color; jet black almost free from bloom; firm, of best quality.

Plum Farmer. A few days later than Kansas, maturing the entire crop in a very short period; making one of the most profitable early market sorts. The berries are large, thick-meated, firm; attractive, with a bloom similar to Gregg.



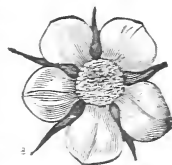
STRAWBERRIES

If plants are set 1½ by 3 feet, it will require 9650 plants to an acre

Strawberries will succeed in any soil that is adapted to ordinary farm or garden crops. Soil should be thoroughly prepared to a good depth, well drained and enriched. Vegetable manure (muck, rotten turf, wood soil, ashes, etc.) is the best. For field culture set in rows 3 to 3½ feet apart, 15 to 18 inches in rows; for garden 15 inches apart each way, leaving pathway every third row. To produce fine, large fruit, keep in hills, pinching runners off as soon as they appear. Ground should always be kept clean and well cultivated. In winter a covering of leaves, straw or some kind of litter will protect the plants. Do not cover them until ground is frozen, or so deep as to smother the plants, and remove covering before growth starts in spring. Mulching will keep the fruit clean and the soil in good condition through the fruiting season.



Perfect Flower



Imperfect Flower

The blossoms of those varieties marked with (P) are destitute of stamens and are termed "pistillate," and unless a row of perfect flowering variety is planted at intervals not exceeding about a rod, they will produce imperfect fruit and but little of it; but when properly fertilized as a rule they are the most prolific. Our land is especially suited to the development of strawberry plants, giving us extra fine crowns and roots, our plants weighing two or three times as much as many sent out. Our stocks are pure, each kind kept by itself and cultivated entirely for the production of plants. They are carefully graded, handled and packed, certain to give the best of satisfaction. **Dip the plants in water as soon as received, and bury the roots in moist, shady ground until you are ready to set them out; neglect for an hour or so is often fatal.**

WE SEND STRAWBERRY PLANTS BY EXPRESS OR MAIL ONLY.

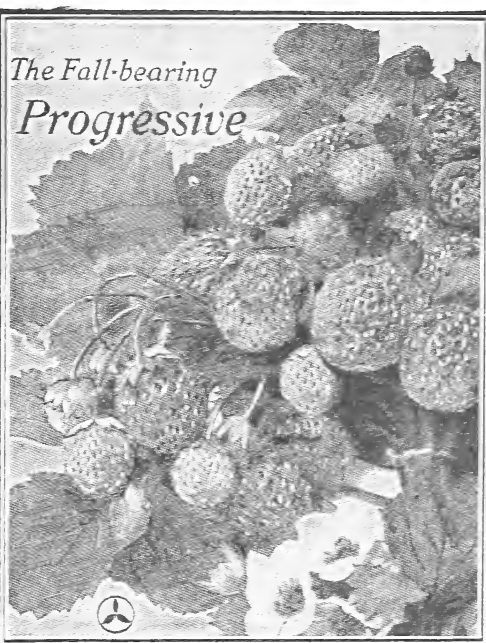
EVERBEARING STRAWBERRIES

Everbearing Strawberries, that yielded fruit continuously from May or June until frost, have been known for a long time, but it is only recently that varieties of value have been produced. We offer, after trial of most of the leading varieties, the following two as the best of this class and heartily recommend them. They are practical croppers, and coming out of ordinary season, bring very profitable prices for market. **CAUTION:** To obtain the largest size and finest quality of fruit in the fall, keep flowers picked off until about the first of August.

Superb. Plants are strong and stand the winter well after producing a heavy crop of fruit from about August 15 until November 15,

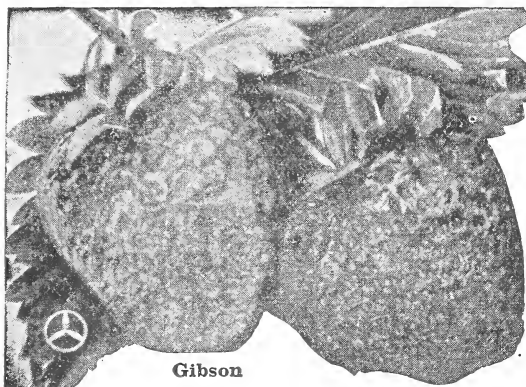


according to season, and are also capable of yielding good crops in June, on the same plants. Fruit is very large, round, rich, dark colored, glossy, attractive and smooth. Each berry is of good shape and ripens all over at once. By mail, 10 for 60 cts.; 100 for \$1.75. By express, 100 for \$1.50; 1000 for \$12.00.



Progressive. Not so large as Superb, but by many considered of superior quality, of good size and smooth, good red color. Plants are vigorous and healthy, much like Dunlap, blooms well protected by the foliage. Gives splendid pickings of first quality berries for a long time. This variety, as well as its companion, have proven their dependability, and are now furnishing the bulk of the fall supply on the markets. By mail, 10 for 60 cts.; 100 for \$1.75. By express, \$1.50 per 100; \$12.00 per 1000.

GENERAL COLLECTION of STRAWBERRIES

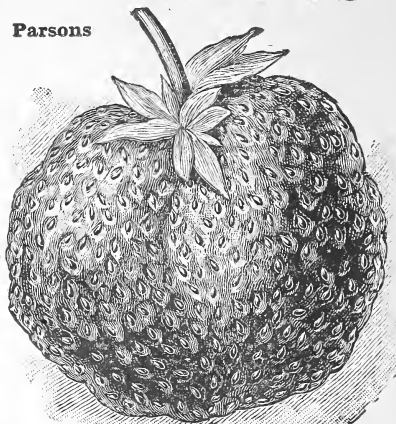


Gibson

Gibson

(M) One of the best and most profitable sorts for both home and market. Strong growers with long roots, abundant foliage, very productive. Berries extra large, choice flavored, dark glossy red.

Parsons



| PRICE of STRAWBERRIES | Per 10 | Per 100 | Per 1000 |
|---|--------|---------|----------|
| Dunlap, Gibson, Glen Mary, Parsons, Premier, Sample and Wm. Belt..... | \$0.25 | \$0.80 | \$6.00 |
| Brandywine, Dr. Burrill, Gandy and Stevens Late.... | .35 | 1.00 | 7.00 |

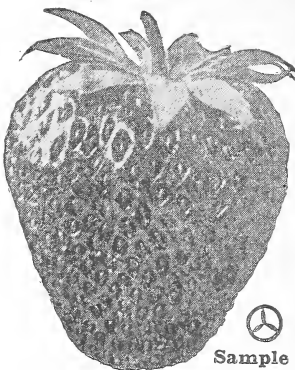
By mail, except noted, 40 cts. for 10; \$1.00 for 100.

(P) means "pistillate" or imperfect flowers. (E), (M) and (L) designate early, medium or late fruiting season.

Dr. Burrill. (M) A marvel of productiveness, quality, color, size and firmness, which is seldom found in any one variety. The fruit is very firm and of even shape; dark, glossy red with yellow seeds and green calyx; making a beautiful combination. By mail, 50 cts. per 10; \$1.25 per 100.

Dunlap. (E) Rampant runner, should be restricted in production of plants. Fruit good size, regular form, beautiful bright red, glossy; firm, splendid keeper and shipper, excellent quality, one of the best for canning.

Brandywine. (L) Large, productive, excellent conical form; dark glossy red to center. By mail, 50 cts. per 10; \$1.25 per 100.



Sample

Gandy. (L) Reliable; berries bright crimson, uniform in size and shape; large firm plants, vigorous and healthy. By mail, 50 cts. per 10; \$1.25 per 100.

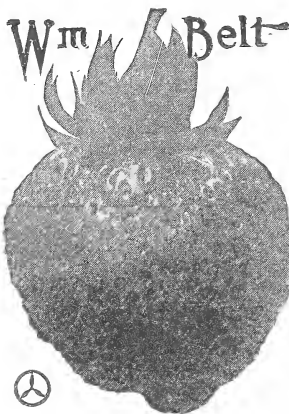
Glen Mary. (M) Berries large to very large, often flattened, bright deep red on surface, light red to center, sweet, rich, good flavor. Productive, and holds size.

Parsons Beauty. (M) Large, bright red, conical, firm berries, shipping well to market. Makes a fine, large plant, productive, free from rust. Particularly profitable sort.

Premier. (E) In this section the, largest, most productive and best well tested early variety. Fruit highly colored, firm, a splendid shipper, of superb quality. Strong, clean foliage, plant grows and spreads over its load of fruit, protecting it from sun scald and rot.

Sample. (P) (L) One of the standard sorts for both home and market. Large dark colored berries in profusion, of uniform size and color.

Stevens. (L) Good foliage that protects blossoms and fruit from frost. Berries are long and uniform in size; color good red, and firm enough for shipment. By mail, 50 cts. per 10; \$1.25 per 100.

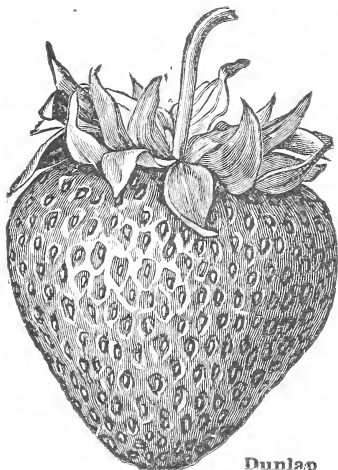


Wm. Belt. (M) A reliable large, handsome, productive berry for market or home use. Vigorous, thrifty plant, producing large crops. Berries extra large, conical, uniform in shape, brilliant glossy red.

RHUBARB or PIE PLANT

PRICE OF RHUBARB

| | Each | Per 10 | Per 100 |
|---|--------|--------|---------|
| Linnaeus and Queen..... | \$0.20 | \$1.50 | \$8.00 |
| Linnaeus. Large, early, tender and fine. The old reliable pie kind. By mail, 25 cts.; \$1.00 for 5. | | | |
| Queen. Strong, vigorous grower, producing extra large stalks of decided pink. By mail, 25 cts.; \$1.00 for 5. | | | |



Dunlap

ASPARAGUS



In planting, make soil rich; dig trench; set 12 to 18 inches apart, roots spread out, crown 2 inches below surface; and tamp in returned soil firmly.

Conover. A standard variety of large size, tender and excellent quality. By mail, 50 for \$1.00; 100 for \$1.75.

Columbian. A distinct variety of strong vigorous growth, producing very large, white shoots, that in favorable weather remain white until 3 or 4 inches high, or as long as fit for use. By mail, 50 for \$1.00; 100 for \$1.75.

Palmetto. A very early variety; even regular size, of excellent quality. By mail, 50 for \$1.00; 100 for \$1.75.

Washington. A new rust-resistant pedigree Asparagus. As a standard variety for the production of fancy Asparagus for the home or market, it stands ahead of all others in size, vigor, tenderness, quality, and rust-resistance. By mail, 50 for \$1.25; 100 for \$2.25.

PRICE OF ASPARAGUS

| | Per 10 | Per 100 | Per 1000 |
|-------------------------|--------|---------|----------|
| Conover, 1 year..... | \$0.30 | \$1.50 | \$12.00 |
| 2 years..... | .60 | 2.00 | 14.00 |
| Washington, 1 year..... | .40 | 2.00 | 15.00 |
| " 2 years..... | .70 | 2.50 | 20.00 |

HORSERADISH

A few clumps of Horseradish should be in every garden, the luxuriant foliage furnishing a bity "green" to season other cooked leaves; and the grated roots the most popular condiment. Plant in deep, rich, cool soil.

Strong roots, 30 cts. per 10; \$1.80 per 100; \$15.00 per 1000.

By mail, 40 cts. per 10; \$2.00 per 100.

HOLTS MAMMOTH SAGE

The plants of this new variety are very robust, perfectly hardy and increase with age. The leaf is borne well above ground, is of unusual substance, strong in flavor and of excellent quality. 15 cts. each; \$1.25 per 50.

NUT TREES

Almost every farm contains land that should be planted to nut trees adapted to the soil. Nuts in many cases pay better than farm crops or fruits, while most kinds are making a growth of valuable timber that will of itself pay a large per cent on the investment.

PRICE OF NUTS

| | Each | Per 10 | Per 100 |
|---------------------------------------|--------|--------|---------|
| Butternut, 2 to 3 feet..... | \$0.65 | \$6.00 | ... |
| " 3 to 4 feet..... | .80 | 7.50 | ... |
| Chestnut, American Sweet— | | | |
| " 2 to 3 feet..... | .60 | 5.00 | ... |
| " 3 to 4 feet..... | .70 | 6.00 | ... |
| " Spanish, 2 to 3 feet..... | .75 | 7.00 | ... |
| Filbert, American, 1½ to 2 ft..... | .80 | ... | ... |
| " 2 to 3 ft..... | .60 | ... | ... |
| " English, 1½ to 2 ft..... | .50 | 4.00 | ... |
| " 2 to 3 ft..... | .60 | 5.00 | ... |
| Pecan, 1½ to 2 feet..... | 1.00 | 8.00 | ... |
| " 2 to 3 feet..... | 1.25 | 10.00 | ... |
| Walnut, Black, 2 to 3 feet..... | .60 | 5.00 | ... |
| " 3 to 4 feet..... | .75 | 6.50 | ... |
| " Japan—Sieboldi and Max-Cordiformis— | | | |
| " 2 to 3 feet..... | .75 | 6.50 | ... |
| " 3 to 4 feet..... | 1.00 | 8.00 | ... |
| " 4 to 6 feet..... | 1.25 | 10.00 | ... |
| " English, 1½ to 2 ft..... | 1.00 | 8.00 | ... |
| " 2 to 3 ft..... | 1.25 | 10.00 | ... |

CHESTNUTS

American Sweet. A native tree both useful and ornamental; timber is very durable, and possesses a fine grain for oil finish. Nuts of sweet flavor; a valuable article of commerce.

Spanish. A handsome round headed tree producing abundantly very large nuts that find a ready market at good prices. Not so sweet as the American and tree not so hardy.

FILBERTS

American. The common Hazelnut. Will grow in almost any location, but prefers a rather moist soil, such as can be found along streams. Nuts are tender and of fine flavor.

English. Of easiest culture, growing 6 to 8 feet high, entirely hardy, and one of the most profitable and satisfactory nuts to grow, succeeding on almost all soils, bearing early and abundantly; nuts nearly round, rich and of excellent flavor.

Both varieties, mail size, 40 cts.; 3 for \$1.00.

PECAN

Not hardy in the North; one of the best and most profitable where it succeeds. Makes a very large, tall tree, producing its thin shelled delicious nuts in profusion.

WALNUTS

Black. A native tree of large size and majestic form, beautiful foliage. The most valuable of all trees for its timber, which enters largely into the manufacture of fine furniture and cabinet ware, and brings the highest price in market.

Butternut or White Walnut. Native tree, producing a large nut. Has a sweet, oily nutritious kernel.

English. Where hardy, it produces immense crops of thin-shelled delicious nuts, which are always in demand at good prices; fruit in green state is highly esteemed for pickling. Will not grow in the North. Mail size, 50 cts.; 3 for \$1.25.

Japan, Max Cordiformis. Differs from Sieboldi in form of nuts, which are broad-pointed, flattened, resembling Hickory. Mail size, 40 cts.; 3 for \$1.00.

Japan, Sieboldi. Perfectly hardy, rapid grower, handsome form, immense leaves; bears young and abundantly. Nuts produced in clusters; resembles Butternut in shape and quality; smaller; smooth and thinner shell. Mail size, 40 cts.; 3 for \$1.00.

HARDY ORNAMENTAL TREES

This section of our Nursery business requires over two hundred acres of land, distributed in immense, solid blocks to whatever variety of soil is best adapted for each particular kind of tree. A visit to the Ornamental section of our plantation is always a pleasure and education to those of our friends who live near enough to make the trip. We grow other classes and varieties of trees than are listed in this book, fully described in our Descriptive Catalogue No. 1, which we will mail upon application and receipt of ten cents.

The succeeding lists represent the most favored trees for lawn adornment, and the best types for street and grove plantings. We will be pleased to quote prices to anyone desiring different sizes or stock in larger quantities than offered herein. In sending list state definitely the number of each variety and size wanted.

We are always pleased to allow a personal selection by our customers of particular ornamental trees, but in no such case will listed prices apply.

Five or more of one kind and size, at ten rate; twenty-five or more at hundred rate.

DECIDUOUS TREES

AILANTHUS. (Tree of Heaven.) Extremely rapid grower, palm-like leaves. Thrives in city lots exposed to gas and smoke, and in soils where other trees perish.

| | Each | Per 10 |
|--|--------|---------|
| 6 to 8 feet..... | \$1.25 | \$10.00 |
| 8 to 10 feet..... | 1.50 | ..... |
| 10 to 12 feet..... | 2.00 | ..... |
| Selected specimens, \$2.50 to \$4.00 each. | | |

ALDER, European. Well adapted to damp and moist situations. Fast growing with round wavy foliage. 8 to 10 feet, \$2.00; 10 to 12 feet, \$2.50.

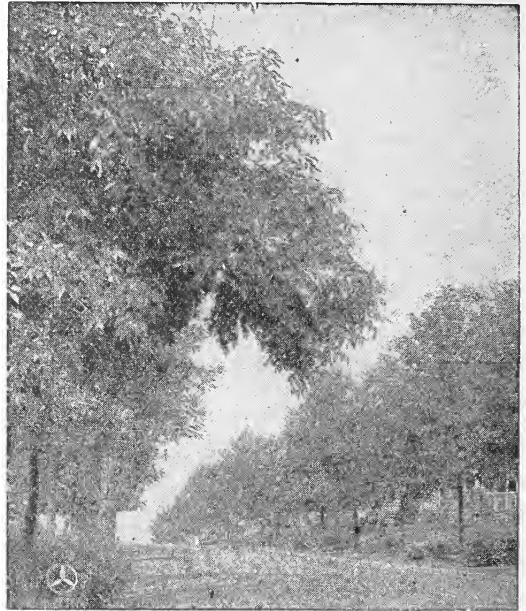
AMELANCHIER, Botryapium. The charming "June-berry" or "Shadblow." Graceful, slender form, white in April with drooping snowy flowers, small edible purple fruit in June.

| | Each | Per 10 |
|-------------------|--------|--------|
| 1½ to 2 feet..... | \$0.60 | \$5.00 |
| 2 to 3 feet..... | .75 | 6.50 |
| 3 to 4 feet..... | .90 | ..... |

ARALIA, Japonica. Handsome small tree. Foliage immense, finely divided; flowers in large white spikes in July. 3 to 4 feet, 60 cts.; 10 for \$5.00. 4 to 6 feet, 75 cts.; 10 for \$6.50.



Ailanthus or "Tree of Heaven"



The White Ash as a Street Tree

ASH

European. Large, spreading tree of rapid growth, darker foliage than the American. 6 to 8 feet, \$1.00. 8 to 10 feet, \$1.25.

Flowering. Small and neat-growing, with terminal panicles of fringe-like, greenish white flowers in May or June. 6 to 8 feet, \$1.50.

American White. A tall rapid grower, smooth gray bark, glossy leaves. For parks and streets.

Green. A handsome medium size tree with slender branches forming a round topped head.

| White and Green— | Each | Per 10 | Per 100 |
|---|--------|--------|---------|
| 6 to 8 feet..... | \$0.85 | \$7.50 | \$70.00 |
| 8 to 10 feet..... | 1.00 | 9.00 | 85.00 |
| 10 to 12 feet..... | 1.50 | 13.50 | 125.00 |
| Larger selected, \$2.50 to \$6.00 each. | | | |

BEECH

European. More compact grower with larger foliage than the American, medium growth. Valuable for groups and screens. 3 to 4 ft., \$2.00; 4 to 6 ft., \$2.75.

Purple-Leaved. (Rivers' grafted.) Makes an elegant medium size tree for the lawn; the foliage in the spring a deep purple, changing to crimson, and in autumn a dull, purplish green. 4 to 6 feet, \$4.00.

Tricolor. Deep purple leaves margined with rose. Give a sheltered position. 3 to 4 feet, \$5.00.

Weeping. Of curious, irregular growth. Its sparkling masses of foliage are swept by tortuous branches into fountain-like masses of green. 3 to 4 feet, \$5.00.

Fern-Leaved. A dwarf variety of the English Beech, with delicately cut leaves and slender, drooping young shoots. 3 to 4 feet, \$5.00.

BIRD CHERRY. (Prunus Padus.) White flowers in May, followed by bright red fruit, much beloved by birds. It is one of the earliest trees to leaf out in the spring. 4 to 6 feet, 75 cts.; 10 for \$6.50. 6 to 8 feet, \$1.00; 10 for \$9.00. 8 to 10 feet, \$1.50. Selected specimens \$2.50 to \$5.00 each.

BIRCH

American White. A rather small tree with smooth white bark and handsome foliage. Very effective when planted in front of evergreens, to afford strong contrast. 6 to 8 feet, \$1.75. 8 to 10 feet, \$2.50.

Canoe or Paper. A large, vigorous, upright tree with broad, handsome leaves and brilliant white bark. 6 to 8 feet, \$2.00.

European White. (Scotch.) Similar to the American or Canoe Birch, with slender branches and silvery bark. After a few years growth assumes a graceful weeping habit, adding greatly to its beauty. 4 to 6 feet, \$1.50; 6 to 8 feet, \$2.00.

Yellow. Large native tree, with fine leaves and yellowish gray bark. 6 to 8 feet, \$2.00.

CATALPA



Catalpa Bungei

PRICE OF CATALPAS.

| | Each | Per 10 |
|--|--------|---------|
| Bungei, Grafted, 5 to 6 feet..... | \$2.00 | \$17.50 |
| " " 6 to 8 feet..... | 2.25 | 20.00 |
| " Dwarf, 2 to 3 feet..... | 1.50 | 12.50 |
| Speciosa, 8 to 10 feet..... | .85 | 7.50 |
| " " 10 to 12 feet..... | 1.25 | 10.00 |
| " Larger specimens, \$2.00 to \$5.00 each. | | |

Catalpa Bungei. (Umbrella Catalpa.) Grafted on stems 5 to 8 feet high, it makes an umbrella-shaped top without pruning. Perfectly hardy, and flourishes in all soils and climates. Leaves large, glossy, heart-shaped, deep green, lying like shingles on a roof; always making a symmetrical head. Usually set in pairs on opposite sides of a walk, entrance, etc.

Dwarf Bungei. Worked low; making a handsome dwarf specimen, with all the wealth of green foliage found in the standard form, clear to the ground.

Speciosa. Valuable for timber, fence posts, railroad ties, etc., on account of rapid growth and durability. Large heart-shaped, downy leaves, and compound panicles of white flowers, tinged with violet and dotted with purple and yellow.

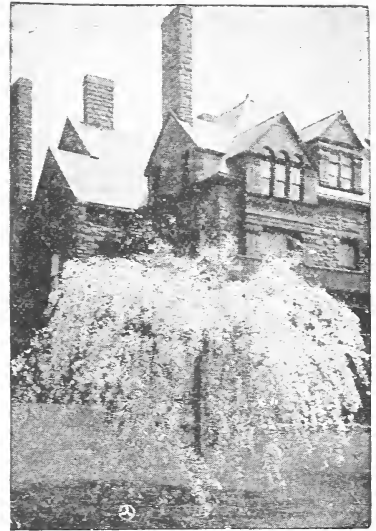
1 year by express, \$1.50 per 100; \$12.00 per 1000. By mail, 10 for 50 cts.; 100 for \$2.00.

FLOWERING CHERRIES

Japan Flowering. Famous flowering cherries of Japan. Beautiful specimens, blooming in profuse panicles. Trees top-worked on 4 to 6 feet stems. \$3.00 each.

Double

White. A charming small tree with branches completely covered with a mass of large double white flowers in May. 4 to 6 feet, \$2.00. 10 to 12 feet \$3.00.



Japan Weeping Cherry

Double Pink

(C. Sieboldi.) Semi-double flowers, white tinged with red. 3 to 4 feet, \$1.75.

Japan Weeping. A weeping form worked on 4 to 6 feet stems, the pendulous limbs drooping to the ground. A beautiful object when covered with its rosy masses of bloom in early spring. \$3.50 each.

Rhexi, fl. pl. A pretty dwarf tree with rose-like double white flowers, completely covering the tree in May. 3 to 4 feet, \$1.50. 4 to 5 feet \$2.00.

CORNUS—The Dogwoods

CORNUS Florida. (White Flowering Dogwood.) Flowers white, 3 to 3½ inches in diameter, produced in spring before leaves appear; very abundant, showy and durable. Foliage grayish green, glossy and handsome; in the autumn turns to deep red, making the tree one of the most beautiful at that season. Spreading, irregular form, growing 20 to 25 feet high. 3 to 4 feet, 75 cts.; \$6.50 per 10. 4 to 6 feet, \$1.00; 10 for \$8.50. 6 to 8 feet, \$2.00.

Cornus Florida Rubra. (Red Flowering Dogwood.) A rare variety, similar to above but slower growing and more formally shaped, with handsome red flowers. An attractive lawn specimen or group subject. 2 to 3 feet, \$1.50.



Flowering Dogwood

FLOWERING CRABS (Pyrus)

Atrosanguinea. Makes a beautiful contrast to the other varieties by reason of its darker red flowers. The buds are deep purplish red, and the entire flower tinged purplish. 3 to 4 feet, \$1.25.

**Bechtel's
Crab**



Bechtel's.

Makes a medium sized tree; perfectly hardy, succeeds well in most soils. When in bloom appears to be covered with delicate pink, perfectly double small roses of delicious fragrance. The only

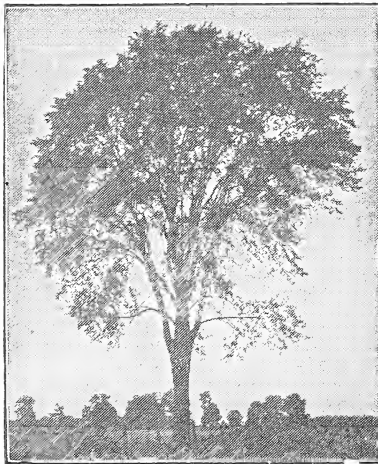
sweet-scented Double Crab. 3 to 4 feet, \$1.50. Mail size, 75 cts.; 3 for \$2.00.

Coronaria. (Wild Crab Apple.) A pretty, round headed tree, with spiny branches and attractive heart shaped, serrated leaves. The opening leaf buds show a ruddy bronze, passing to rich green and turning back in autumn to bronze and yellow. Clustered rose-pink flowers, and yellowish fruit, fragrant, waxy and translucent. 3 to 4 feet, \$1.00.

Floribunda. A large shrub or small tree, often thorny with rose-red flowers borne in great profusion in May. The fruit is red and very small, on long stems. 3 to 4 feet, \$1.25.

Floribunda Purpurea. A beautiful form of above with darker red flowers. 3 to 4 feet. \$1.50.

THE ELMS



American Elm

American. A noble native tree of large size, wide spreading head and graceful drooping branches. One of the grandest park and street trees.

Camperdown. Its vigorous, irregular branches, which have a uniform weeping habit, overlap so regularly that a compact,

roof-like head is formed. Leaves are large, glossy, dark green. A strong, vigorous grower. The finest Weeping Elm and one of the best weeping trees.

English. More densely branched than American, and not quite so tall with smaller, darker leaves, retained longer in autumn. The branches project from the trunk almost at right angles.

Purple-Leaved. Erect, slender branched, densely clothed with dark purplish green foliage.

Scotch. A rapid-growing spreading tree, with large, rough, dark green leaves.

PRICE OF ELMS.

| | Each | Per 10 | Per 100 |
|--------------------------------|--------|---------|----------|
| American, 6 to 8 feet..... | \$0.90 | \$ 8.50 | \$ 80.00 |
| " 8 to 10 feet..... | 1.25 | 11.00 | 100.00 |
| " 10 to 12 feet..... | 2.00 | 19.00 | 175.00 |
| Camperdown Weeping..... | 2.50 | ..... | ..... |
| English, 8 to 10 feet..... | 1.75 | ..... | ..... |
| " 10 to 12 feet..... | 2.25 | ..... | ..... |
| Purple-leaved, 6 to 8 feet.... | 2.00 | ..... | ..... |
| Scotch, 6 to 8 feet..... | 1.25 | 10.00 | ..... |
| " 8 to 10 feet..... | 1.50 | 12.50 | ..... |
| " 10 to 12 feet..... | 2.00 | 17.50 | ..... |

Selected specimens, \$3.00 to \$6.00 each.

EVONYMUS EUROPAEUS. (European Spindle Tree.) A large shrub or small tree, growing to 15 feet. In spring it is covered with a wealth of bright yellow flowers, followed by brilliant rose-colored berries, which hang in clusters from the branches till mid-winter. The leaves color a beautiful crimson-scarlet in fall. 3 to 4 feet, 75 cts.; 4 to 5 feet, \$1.00.

HACKBERRY. Its light green leaves are glossy, pointed, almost entirely free from insects; the branches spread horizontally, forming a wide, elm-shaped head of medium size. Vigorous, hardy and healthy, thriving in all soils. 6 to 8 ft., \$1.50; 8 to 10 ft., \$2.00.

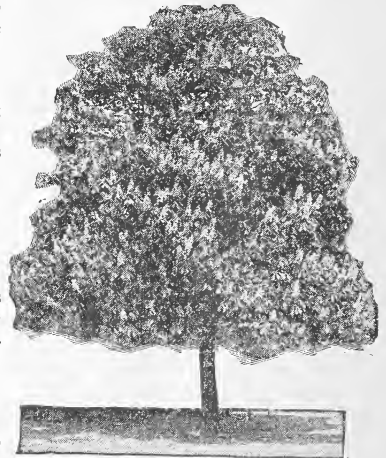
HONEY LOCUST. A large, vigorous tree, with wide-spreading branches, feathery, fern-like leaves, and a stout armament of thorns. Makes a fine defensive hedge. 4 to 6 feet, 85 cts.; 10 for \$7.50. 6 to 8 feet, \$1.00; 10 for \$9.00. 1 year: By express, \$2.00 per 100; \$15.00 per 1000. By mail, 60 cts. per 10; \$2.50 per 100.

HORNBEAM European. A very hardy ornamental tree with dense round head. Leaves turn yellow and brown and stay on all winter. Stands severe pruning without detriment. Remarkably free from the attacks of insects. 4 to 6 feet, \$1.00.

HORSE CHESTNUTS

White Flow-

ering. The well-known European species; very handsome; has magnificent spikes of white flowers borne in great profusion and sweetly scented. As a lawn tree it is most attractive. 8 to 10 ft., \$2.50. Selected specimens, \$3.50 to \$7.50 ea.



Double White Flowering. Superb variety, 60 to 80 feet tall, with large panicles of double flowers, like Hyacinth trusses in effect. Has no nuts to litter the lawn. 6 to 8 feet, \$4.00.

Red Flowering. A somewhat smaller tree, rarely over 30 feet high, with darker leaves and splendid showy red flower-spikes opening later. 4 to 6 feet, \$4.00.

IRONWOOD. (Hop Hornbeam.) A graceful, birch-like tree of small to medium size, and slow growth. With furrowed bark and hop-like fruits. Valuable for dry situations. 6 to 8 feet, \$1.50.

JUDAS TREE. (Red Bud.) A small growing tree of irregular form, with heart-shaped leaves. It is covered with bright pink blossoms early in spring before the leaves appear; and is largely used in groups of shrubs and small trees to give color for this early season. 3 to 4 feet, 75 cts.; 10 for \$6.50.

LIQUIDAMBAR. (Sweet Gum.) Short, corky-winged branches and masses of star-shaped, lustrous pich that color to intense crimson-scarlet in fall; leaves uresque in winter with its odd swinging seed balls and corkwinged branches. 4 to 6 feet, \$1.50; 6 to 8 feet, \$2.00.

BLACK LOCUST. A native tree of large size, and rapid growth. Flowers in long white racemes, very fragrant. Valuable for timber. 4 to 6 feet 50 cts.; 6 to 8 feet, 65 cts. 1 year: By express, \$1.50 per 100; \$12.00 per 1000. By mail, 10 for 60 cts.; 100 for \$2.00.

MAGNOLIA GLAUCA. (Sweet Bay.) When planted in moist soil this makes a handsome tree, 30 to 40 feet high. Its leaves are glossy, laurel-like, almost evergreen. In June its pure white flower cups are lovely and fragrant. 3 to 4 feet, \$2.75; 10 for \$25.00. 4 to 5 feet, \$3.25; 10 for \$30.00.

Magnolia Tripetala. Named from the whorled arrangement of its great, glossy leaves. The white flowers, also of great size, open in June and are followed by rose-colored fruit cones. Tree grows to 40 feet. 4 to 6 feet, \$2.25.

MOUNTAIN ASH, Oak-Leaved. Dark lobed, oak-shaped leaves, downy beneath. Produces berries freely, and although of radically different foliage, is just as showy and striking as the Ash-leaved type. 6 to 8 feet, \$1.50; 8 to 10 feet, \$2.00.

OSAGE ORANGE. A medium sized spiny tree with spreading branches; rather large fern-like leaves of bright green which change to yellow in fall. Flowers are inconspicuous, but the succeeding orange-like fruits are attractive. Although sometimes planted as specimens for the beauty of its foliage, it is chiefly utilized as a close hedge plant; allowed to grow fairly tall; its heavy wood and thorns turning stock.

By express, 1 year No. 1, \$1.25 per 100; \$10.00 per 1,000. By mail, \$1.75 per 100.

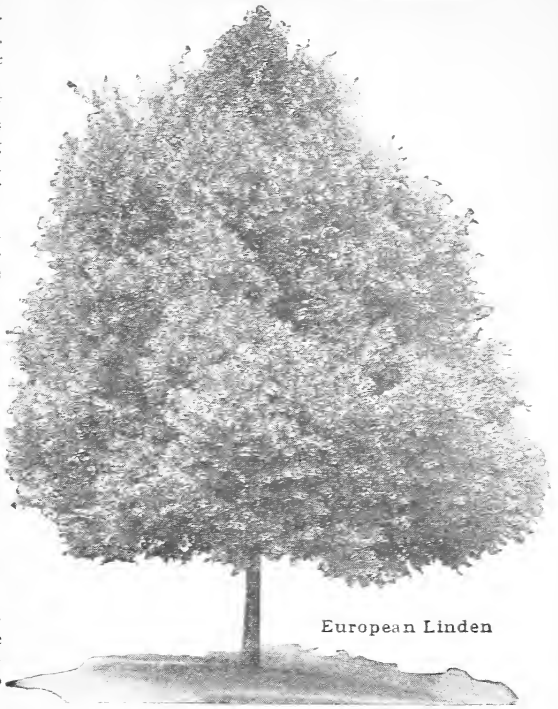
TEA'S WEEPING MULBERRY. The most graceful hardy weeping tree in existence. Forms a perfect shaped head, with long, slender, willowy branches, drooping to the ground. In light, airy gracefulness, delicacy of form and motion, it is without a rival. It has a beautiful foliage, is hardy, safe and easy to transplant. Admirably adapted for small or large grounds, or for cemetery planting. \$2.50 each.

FLOWERING PEACH

Double.—Red and White. A most beautiful small tree rarely over 20 feet tall; at its blossoming time in May every twig and branch bright with beautifully formed flowers, rendering the tree showy and attractive at a great distance. 3 to 4 feet, 75 cts.; 10 for \$6.50. 4 to 5 feet, 90 cts.; 10 for \$8.00.

AMERICAN PERSIMMON

This is the puckery persimmon, the tree of which is much grown for its decorative features. It is very ornamental, with a round-topped head and handsome shining foliage. The fruit is an inch or more in diameter, orange-yellow, with a bright cheek when touched by frost. 4 to 6 feet, \$1.50.



European Linden

LINDENS

American. A stately tree, growing 60 to 80 feet tall, with large, shining cordate leaves. Valuable for its beautiful white wood. Its flowers appear in July. 6 to 8 feet, \$1.75 each. 10 to 12 feet, \$2.75 each.

European. Largely used for street and ornamental planting, developing into beautiful specimens.

6 to 8 feet, \$1.50 each; \$12.50 per 10.

8 to 10 feet, 2.00 " 17.50 "

10 to 12 feet, 2.50 " 22.50 "

Selected specimens above, \$3.50 to \$7.50 each.

Weeping. (White-Leaved.) A medium sized tree 50 to 75 feet tall, of gracefully pendulous habit, that holds its large, silver-lined leaves through the season. 4 to 6 feet, \$3.00.

THE MAPLES

Probably no shade tree is so well known, more generally planted or so popularly loved as the Maple in its varied, but altogether charming and useful types.

| PRICE OF MAPLES. | | Each | Per 10 | Per 100 |
|-------------------------------------|------|--------|---------|---------|
| Ash-leaved, 6 to 8 feet..... | | \$1.00 | \$ 9.00 | ..... |
| " 8 to 10 feet..... | | 1.25 | 11.00 | ..... |
| European (Cork-barked), | | | | |
| " 6 to 8 feet..... | 2.25 | | | |
| Norway, 10 to 12 feet..... | 2.75 | | 25.00 | |
| " 12 to 14 feet..... | 3.50 | | 32.50 | |
| Schwedleri, 12 to 15 feet..... | 6.00 | | | |
| Silver-leaved, 6 to 8 feet..... | 1.00 | | 9.00 | |
| " 8 to 10 feet..... | 1.20 | | 10.00 | |
| " 10 to 12 feet..... | 1.50 | | 14.00 | |
| Sugar or Rock, 6 to 8 feet..... | 1.75 | | 16.50 | |
| " " 8 to 10 feet..... | 2.00 | | 18.50 | |
| " " 10 to 12 feet..... | 2.50 | | 22.50 | |
| Sycamore, 10 to 12 feet..... | 2.50 | | | |
| " Purple-leaved, 8 to | | | | |
| 10 feet..... | 3.00 | | | |
| Wier's Cut-leaved, 6 to 8 feet..... | 2.00 | | 17.50 | |

Can furnish select large size specimen trees of most varieties of Maples at from \$3.00 to \$7.50 each.

THE MAPLES—Continued

Ash-Leaved. (Box Elder.) A rapid-growing variety; with light green foliage and spreading head, very hardy; desirable for street planting and succeeds in many sections where other varieties do not.

Cork Barked. Rather a small but very interesting tree, with dark, dull green leaves, fading to brown and yellow. Has corky ridges on the branches.

Norway. A large handsome tree, with broad, deep green, shining foliage. Very desirable for street, park or lawns. Makes the roundest head; is colored the deepest, coolest green; and furnishes the densest shade of the entire list of good trees.

Silver. A hardy, rapid-growing native tree of large size. Valuable for producing a quick shade. Excellent for street planting.

Schwedleri. The Purple Norway Maple's beautiful leaves attract attention at all seasons, but are especially fine in spring, when their gleaming red and purple contrasts brightly with the delicate green of other trees. In mid-summer they are purplish green, in autumn golden yellow.

Sugar or Rock Maple. This tree is chieftain of its clan; straight, spreading, symmetrical, of grand proportions, often 120 feet in height, and longer lived than most men who plant it. It grows well in all except damp, soggy soils, and roots deeply, allowing grass to grow close about its trunk. Its bold leaves have very rich autumn tints of clear-yellow and scarlet.

Sycamore Maple. A broad, handsome tree of medium size; with larger, darker leaves than others. Casts a dense, cool shade.

Purple-Leaved Sycamore Maple. A purplish tone is imparted to the tree by the purple under-surface of its leaves, the effect being very fine when the leaves are in motion.

Wier's Cut-Leaved. A very graceful silver Maple with remarkable and beautifully dissected foliage. Of rapid growth; shoots slender and drooping.



Sugar Maple

Red. A large tree, 80 to 100 feet tall, unusually large in leaf and quick in growth. The young shoots and leaf-stems are red, the foliage purplish crimson in autumn. A most beautiful object on the lawn. 6 to 8 feet, \$2.25; 10 to 10 feet, \$3.00 each; 10 to 12 feet, \$3.25; 10 for \$30.00.

Scarlet. A grand tree, 60 to 80 feet high, with bright green deeply cut leaves that color to sparkling red in fall. 6 to 8 feet, \$3.00. 8 to 10 feet, \$3.50.

Selected specimens above varieties Oaks, \$4.00 to \$7.50 each.

THE OAKS

Pin. Almost pyramidal in habit, and described as half-weeping when old, because its lower branches touch the ground. It grows faster and develops the family characteristics earlier than most Oaks. It grows 60 to 80 feet. The leaves are deep green, glossy, and finely divided. Orange-scarlet in fall. 6 to 8 feet, \$2.00; 10 for \$17.50. 8 to 10 feet, \$2.50. 10 for \$22.50. 10 to 12 feet, \$3.00; 10 for \$27.50.



Pin Oak

THE POPLARS

PRICE OF POPLARS

| | Each | Per 10 | Per 100 |
|---------------------------------|--------|--------|---------|
| Aurea (Van Geerti), 6 to 8 ft.. | \$0.75 | \$7.00 | ..... |
| " " " 8 to 10 ft.. | 1.00 | 9.00 | ..... |
| Balsam (Balm of Gilead)— | | | |
| " 6 to 8 feet..... | .60 | 5.00 | ..... |
| " 8 to 10 feet..... | .75 | 6.50 | ..... |
| " 10 to 12 feet..... | 1.00 | 8.50 | ..... |
| Bolleana (Silver Leaf)— | | | |
| " 6 to 8 feet..... | 1.00 | 9.00 | ..... |
| " 8 to 10 feet..... | 1.25 | 11.00 | ..... |
| Carolina, 6 to 8 feet..... | .50 | 4.00 | \$30.00 |
| " 8 to 10 feet..... | .60 | 5.00 | 40.00 |
| " 10 to 12 feet..... | .80 | 7.00 | 60.00 |
| Lombardy, 6 to 8 feet..... | .60 | 5.00 | 40.00 |
| " 8 to 10 feet..... | .75 | 6.50 | 55.00 |
| " 10 to 12 feet..... | 1.00 | 9.00 | ..... |

Aurea (Van Geerti). Fine golden yellow foliage, retaining its brilliancy throughout the season.

Balsam. (Balm of Gilead.) A remarkably rapid growing tree, with luxuriant, glossy foliage.

Bolleana. Useful in breaking the monotony of lower round-topped trees. Will grow to a tall spire 80 feet high. Its leaves are glossy green, silvery beneath.

Carolina. A vigorous, native pyramidal tree of rapid growth, with large glossy leaves; valuable for quick shade. Makes a fine spreading head if well cut back the first few seasons.

Lombardy. Remarkable for its picturesque, tall spire-like form; useful in landscape effects.



Sycamore—The Quickest Growing Street Tree

EUROPEAN SYCAMORE

The well-known Oriental Plane. Used in great numbers to create vistas of dense green shade, along new streets which require quick development of shade and ornamentation. A lofty, wide-spreading tree with deeply lobed palmate leaves; valuable for its handsome foliage, hardiness, and free growth. The bark is an attractive grayish green during the summer; but enough of it sheds during winter to give an interesting mottled appearance as the smooth, creamy white trunk is revealed. The Sycamore, on account of its rapid growth and quick shade production, has practically replaced the prohibited Carolina Poplar along new allotment streets; and this without discredit to itself as a choice, permanent, first-class shade tree.

| | Each | Per 10 | Per 100 |
|--------------------|--------|---------|----------|
| 6 to 8 feet..... | \$1.25 | \$11.50 | \$100.00 |
| 8 to 10 feet..... | 1.60 | 14.00 | 135.00 |
| 10 to 12 feet..... | 2.00 | 19.00 | 175.00 |

Larger specimens, \$2.50 to \$5.00 each.

THE FLOWERING THORNS

Handsome dwarf trees with shiny leaves of attractive shape and color; blooming in profusion late in spring with compact clusters of small, rose-like flowers. These are followed by large red fruits and autumnal colorings.

Paul's Double Scarlet. Flowers deep crimson, with scarlet shade; very double. This is one of the most attractive small trees for solitary specimens or groups, as showy in fruit as when in bloom. 4 to 5 feet, \$2.00.

Cockspur Thorn. (*Crataegus Crusgalli.*) Widely extended horizontal branches, give it a flat-topped effect. Flowers profuse white, with tinge of red, opening in May. 6 to 8 feet, \$2.50.

Cordata. (Washington Thorn.) Branches upright, forming a round topped head, leaves heart-shaped. Flowers white with rose-colored anthers. 4 to 6 feet, \$1.50.

PYRACANTHA LALANDI (Firethorn). An almost evergreen shrub allied to both the Thorns and Cotoneasters. Dwarf grown with slender branches with numerous short thorns. Small white flowers, covered in fall with bright orange-red fruit. One of the finest berried shrubs or small trees. 2 ft. high, 2 ft. spread, \$1.50.

ROSE ACACIA. (Moss Locust.) An elegant shrub, with light green pinnate leaves and long graceful clusters of pea-shaped, rose-colored flowers in June, often throughout the summer.

Own roots (bush shape), 2 to 3 feet, 75 cts.; 10 for \$6.50.

Standard. (Top worked.) 3 to 4 feet, \$1.50. 4 to 5 feet, \$1.75.

RUSSIAN OLIVE. (*Eleagnus Angustifolia.*) Attains a height of 20 to 30 feet, bark dark green, wood very heavy and burns like a candle, foliage rich silver color, willow shape; fragrant, deep golden flower. 2 to 3 feet, 45 cts.; 10 for \$4.00. 3 to 4 feet, 60 cts.; 10 for \$5.00. 4 to 6 feet, 75 cts.; 10 for \$6.50.

SALISBURIA. (Maiden Hair Tree.) A rare, elegant tree from Japan with singular foliage unlike that of any other tree: almost fern-like, of free growth; and every way desirable. 8 to 10 feet, \$2.00. 10 to 12 feet, \$2.50. Selected specimens, \$3.50 to \$5.00 each.

TULIP TREE. (Whitewood.) One of the grandest of our native trees; of tall pyramidal habit, with broad, glossy, fiddle-shaped leaves and beautiful, tulip-like flowers; allied to the Magnolia. Leaf color is clean, rather bluish-green shade which in fall turns brightest yellow. Flowers are 1½ to 2 inches long, light greenish yellow marked at inside base with orange; appearing in May or June. 6 to 8 feet, \$1.50.

YELLOW WOOD. (*Virgilia Lutea.*) One of the most beautiful medium-sized native flowering trees, growing to 50 feet. It has a short trunk and wide, rounded head of handsome foliage that colors clear yellow in fall. In June it is showy and fragrant, with long, drooping racemes of white, pea-shaped flowers. 4 to 6 feet, \$2.00.

THE WILLOWS

There is nothing prettier or more attractive than the long, waving streamers of the weeping willows in any location; but they are particularly effective and at home on the edge of well-kept ponds and streams.

They grow fast and are adapted to a variety of soils and uses. Frequent cutting back gives a thicker growth of bright young twigs.

PRICE OF WILLOWS

| | Each | Per 10 | Per 100 |
|-------------------------------|--------|--------|---------|
| Babylonica, 4 to 6 feet..... | \$0.75 | .... | .... |
| " 6 to 8 feet..... | .90 | .... | .... |
| " 8 to 10 feet..... | 1.25 | .... | .... |
| Gold Bark, 6 to 8 feet..... | .65 | \$5.50 | \$50.00 |
| " 8 to 10 feet..... | .75 | 6.50 | 60.00 |
| Laurel Leaved, 4 to 6 feet... | .50 | 4.00 | 35.00 |
| " " 6 to 8 feet... | .70 | 6.00 | 50.00 |
| " " 8 to 10 feet..... | .90 | .... | .... |
| Wentworth, 4 to 6 feet..... | .60 | 5.00 | 45.00 |
| " 6 to 8 feet..... | .75 | 6.50 | 60.00 |
| " 8 to 10 feet..... | 1.00 | 9.00 | 85.00 |
| Wisconsin, 4 to 6 feet..... | .70 | 6.00 | 50.00 |
| " 6 to 8 feet..... | .90 | 8.00 | 75.00 |

Babylonica. A well-known and most graceful tree of large size. Its fresh, bright green tint and long, wavy branches make it very attractive.

Gold Bark. Showy variety with golden bark of high color, making it very conspicuous during winter. A handsome tree at all seasons.

Laurel-Leaved. A splendid ornamental small tree, with large, glossy, laurel-like leaves, whence its name. This variety is very useful to inject dark, shiny foliage into groups of lighter color, its lower growth and more compact shape entitling it to establishment even with the tall growing shrubs.

Wentworth. One of the tall, rapid, upright growing varieties with bright red bark.

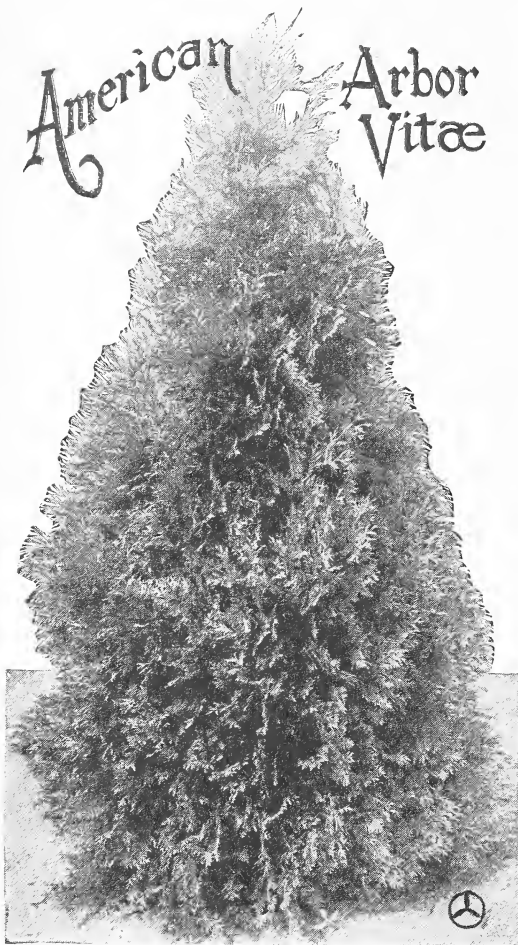
Wisconsin. Similar to the Babylonica, but much hardier.

EVERGREEN TREES

Our **Evergreens** are all carefully grown, at good distances for symmetrical development, are root and top-pruned into handsome, shapely specimens that will transplant successfully to new homes with ordinary care.

Planting season for spring from April 10 to May 15, for fall from about August 15 to October 10, depending on season and locality. We have selected specimens in many varieties on which we would be glad to quote prices on receipt of list, stating kinds, sizes and numbers wanted.

All Evergreen Trees (except mail size) **will be carefully dug with ball of earth** about the roots and tightly sewed in burlap and will stand transportation and transplanting with little risk of loss. In planting it is not necessary to remove the burlap. Place tree in properly prepared hole, cut burlap in several places, firm earth tightly about ball of roots, water, and mulch.



ARBOR VITÆ (Thuja)

American. (White Cedar.) Erect, pyramidal habit with soft bright green foliage, dense from ground up; grows rapidly and soon forms a most beautiful hedge, for which purpose it is one of the best Evergreens—or for any other purpose. One of the few varieties which may be successfully sheared to have a formal appearance, or pruned frequently to preserve a uniform height. Mail size, 35 cts.; 5 for \$1.00.

| | Each | Per 10 | Per 100 |
|-------------------|--------|---------|---------|
| 1½ to 2 feet..... | \$1.00 | \$ 9.00 | ..... |
| 2 to 3 feet..... | 1.50 | 14.00 | ..... |
| 3 to 4 feet..... | 2.50 | 22.50 | ..... |
| 4 to 5 feet..... | 4.50 |  | ..... |
| 5 to 6 feet..... | 6.00 |  | ..... |
| 6 to 7 feet..... | 8.00 |  | ..... |

Compacta. (Parsons.) Dwarf, dense little trees with light green foliage, neat and attractive. Useful for beds, borders, cemeteries or low growing hedges. Mail size, 60 cts.; 3 for \$1.50.

| | Each | Per 10 |
|----------------------|--------|--------|
| 15 to 18 inches..... | \$2.00 | ..... |
| 18 to 24 inches..... | 3.00 | ..... |

Douglas Golden. One of the hardiest of all golden evergreens. Broad and bushy growth with long slender branches and bright yellow foliage.

1½ to 2 feet, \$2.50. 2 to 3 feet, \$3.50.

Ellwangeriana. A low, broad pyramid with slender branches; foliage intermediate in texture between *Ericoides* and *American*. Mail size, 60 cts.; 3 for \$1.50.

| | Each | Per 10 |
|----------------------|--------|---------|
| 15 to 18 inches..... | \$1.50 | \$12.50 |
| 18 to 24 inches..... | 2.00 | ..... |

Ericoides. (Heath-Leaved Arbor Vitæ.) A very pretty dense little shrub of the Tom Thumb type. 15 to 18 inches, \$1.50.

Mail size, 60 cts. 3 for \$1.50.

Globosa. Forms a dense, low globe; handsome shade of green. Mail size, 60 cts.; 3 for \$1.50.

| | Each |
|----------------------|--------|
| 12 to 15 inches..... | \$1.50 |
| 15 to 18 inches..... | 2.50 |
| 18 to 24 inches..... | 3.50 |

Hovey's Golden. A small, hardy tree, elliptical in form and very compact. Foliage light green with a golden tinge. A very distinct, bright and pleasing shade, of value for toning up somber greens.

Mail size—60 cts.; 3 for \$1.50.

Lutea. (George Peabody.) A beautiful variety, the gold marking diffusing itself more deeply into the foliage than in any other variety of tall Evergreen. Mail size, 75 cts.; 3 for \$2.00. 1½ to 2 feet, \$2.50. 2 to 3 feet, \$3.50. 3 to 4 feet, \$5.00.

Oriental. A low, bushy tree of columnar or pyramidal habit. Native of Asia. Foliage bright green in summer, assuming tones of bronze and brown in winter.

Mail size—60 cts.; 3 for \$1.50.

Pumila. A handsome dwarf; dense, perfect in form; a charming shade of green. Mail size, 60 cts.; 3 for \$1.50.

Pyramidalis. See page 165.

Siberian. A superb variety, somewhat similar to *American*, with heavier and fuller foliage and more compact habit. It holds its color during winter and bears trimming well; one of the hardiest. Mail size, 50 cts.; 3 for \$1.25.

| | Each | Per 10 |
|-------------------|--------|---------|
| 1½ to 2 feet..... | \$2.25 | \$20.00 |
| 2 to 3 feet..... | 2.75 | 25.00 |
| 3 to 4 feet..... | 4.50 | ..... |

Tom Thumb. Small, compact, with feathery foliage; a beautiful ornament for small yard or cemetery lot; for low hedges. Mail size—50 cts.; 3 for \$1.25.

Vervaeana. Erect habit and form like the *American*, with golden variegated foliage. A handsome sort. Mail size, 75 cts.; 3 for \$2.00. 2 to 3 feet, \$2.75; 3 to 4 feet, \$4.50.



Pyramidal Arbor Vitae

Pyramidalis. Most compact and erect of the entire species, in form almost a counterpart of the Irish Juniper. Foliage a deep green, retaining color. Perfectly hardy. Mail size, 75 cts.; 3 for \$2.00; 2 to 3 feet, \$2.50. 3 to 4 feet, \$3.50.

BOX (Buxus)

Tree. Familiar in old-fashioned gardens, indispensable in formal ones. It grows well in many soils and endures much pruning. Mail size, 25 cts.; \$2.00 for 10; \$12.00 per 100.

Dwarf. Tiny, dark leaves densely set; used principally for borders and edging, for which purpose, where hardy, it is the best subject. Mail size, 20 cts.; \$1.50 for 10; \$10.00 for 100.

CYPRESS (Cupressus)

Nutkaensis. (Nootka Sound Cypress.) A choice pyramidal evergreen with glaucous green leaves and spreading curving branches drooping at the tips. Perfectly hardy, a choice sort. 1½ to 2 feet, \$3.00. Mail size, 75 cts.; 3 for \$2.00.

FIR (Abies)

Balsam. (American Silver.) A very regular, symmetrical tree, assuming the conical form even when young; leaves dark green above, silvery beneath. Mail size, 60 cts.; 3 for \$1.50. 1½ to 2 feet, \$1.75. 2 to 3 feet, \$2.50.

Concolor. (White Fir.) A picturesque Colorado species; long, leathery leaves, with glaucous tinge when young, becoming pale green with age. Branches arranged in horizontal whorls. A grand tree making splendid specimens. Mail size, \$1.00; 3 for \$2.75. 1½ to 2 feet, \$4.00. 2 to 3 feet, \$5.00.

European Silver. (Pectinata.) A rapid grower of upright habit. Needles dark glossy green, silvery white beneath. 1½ to 2 feet, \$2.50. 2 to 3 feet, \$4.00.

Fraseri. (Double Balsam Fir.) Similar to the well known Balsam Fir, finer habit and darker foliage. A quick growing desirable specimen. 1½ to 2 feet, \$2.50. 2 to 3 feet, \$4.00.

Nordmanniana. A symmetrical and imposing tree, the warm green of the young shoots contrasting finely with the rich, deep color of the old foliage. 1½ to 2 feet, \$3.50; 2 to 3 feet, \$5.00.

JUNIPER (Juniperus)

Canadensis. A very hardy, dense, grayish-green type of especial value in rockeries and for ground covering. The main branches are usually numerous, and procumbent; well furnished with upright branchlets. Seldom over four feet high. 18 inch spread. \$2.50 each.

Canadensis Aurea. Same as above except growth of the current season is deeply tipped with gold; the first appearance of new growth marking a most delightful phase of its career. 18 in. spread, \$3.00 each.

English. Makes a dense pyramidal specimen; foliage grayish green. 2 to 3 feet, \$3.00.

Excelsa. (Greek Juniper.) Compact pyramidal grower, making tall handsome specimens. 2 to 3 feet, \$3.00.

Irish. Erect, slender and formal in habit; foliage sage green, very compact; making a splendid column. sometimes 15 to 20 feet high; much used in cemeteries. Mail size, 40 cts.; 3 for \$1.00.

| | Each | Per 10 |
|------------------|--------|---------|
| 2 to 3 feet..... | \$2.00 | \$17.50 |
| 3 to 4 feet..... | 2.50 | 22.50 |

Japan. A beautiful dwarf, dense, spreading tree with light green foliage. 1½ to 2 feet, \$3.00.

Pfitzeriana. One of the most striking of all evergreens, exceedingly useful for filling chinks in foundation plantings. The branches progress spirally along the trunk at a 45 degree angle, thereby making a good "filler;" or standing alone, it acquires the symmetry of a broken column. The branches are long and whip-like, densely furnished, very dark green; the first new growth thickly studding the expanse like silver beads. Mail size, \$1.00; 3 for \$2.75. 1½ to 2 feet, \$3.00. 2 to 3 feet, \$5.00. 3 to 4 feet, \$7.00.

Savin. Handsome moss green foliage; adapted to use as a filler in Evergreen groups, or as a dwarf ground cover. Mail size, 75 cts.; 3 for \$2.00. 18 to 24 inches, \$3.00. 2 to 3 feet, \$4.50.

Swedish. (J. Suecica.) Tall growing, of formal, columnar habit. The foliage is dense, fairly broad, with drooping tips; in color glaucous green somewhat lighter and bluer than the Irish Juniper. 2 to 3 feet, \$2.50. 3 to 4 feet, \$3.50.

Dwarf Swedish. (Suecica Nana.) A dwarf variety, compact habit of growth; foliage light green, not changing in winter. 1½ to 2 feet, \$2.00.

Tamariscifolia. (Tamarix-leaved.) A beautiful trailing form of Savin, with bluish green foliage. The construction is dense and very fine like the tamarix foliage, especially attractive when showing new growth. 15 to 18 inches spread, \$3.00. 18 to 24 inches spread, \$3.50.

Virginiana. (Red Cedar.) A well known American tree, with fine, dense foliage, varying in habit and color, the majority being formal and bluntly conical, others loose and irregular. Mail size, 40 cts.;

Virginiana Counarti. A newly derived type resembling Schotti in leaf and character, midway in color between the pronounced yellowish green of that variety, and the darkness of Virginiana. 1½ to 2 feet, \$3.00. 2 to 3 feet, \$4.50.

Virginiana Glauca. (Blue Va. Cedar.) Its broadly conical form and beautiful glaucous blue foliage make it one of the choicest of all Junipers. 2 to 3 feet, \$4.00. 3 to 4 feet, \$6.00. Mail size, \$1.00.

Virginiana Schotti. A dense columnar form of the Red Cedar with light yellowish green foliage. Hardy and beautiful. 2 to 3 feet, \$4.00. 3 to 4 feet, \$6.00.

Waukegan. A highly developed selection from *Sabina Prostrata*; ground-covering, closely compact. The beautiful silvery blue color assumes a rich purple hue with the first autumn frosts. 15 to 18 in. spread, \$2.00. 18 to 24 in. spread, \$2.75.



Austrian Pine

MAHONIA

Aquifolia. (Holly-leaved Ashberry.) A beautiful evergreen shrub, with smooth shining holly leaves; bright yellow flower clusters in May, and blue berries. The leaf color varies capriciously throughout the year, assuming all shades of green, with flecks of red and bronze. Associates well with dwarf and medium shrubbery, of special value in shady locations, used like Rhododendrons. Mail size, 40 cts.; 5 for \$1.75.

PINE—Pinus

Austrian. Broadbased, heavy needled, massive; darkest and richest green of the Pines, silhouetting to inky blackness against the sky-line. Quite densely and evenly branched, well furnished with attractive tufts of foliage, the new growth erect and silvery like candles set along the twigs. It is hardy, and vigorous in growth although maintaining compactness; and must be used only in locations requiring tall growth and considerable spread. Mail size, 40 cts.; 3 for \$1.00. 2 to 3 feet, \$2.50. 3 to 4 feet, \$3.50. 5 to 6 feet, \$7.50.

Scotch. Like the Austrian, its quick, strong growth makes it valuable for protective screens; very hardy. As a rule it grows taller than Austrian, with softer needles, and shows a hint of reddish brown in its bark and forming cones.

| | Each | Per 10 |
|------------------|--------|---------|
| 2 to 3 feet..... | \$2.25 | \$20.00 |
| 3 to 4 feet..... | 3.00 | ..... |

White. (Strobus.) A strong featured, rapid growing tree; with abundant silvery-green foliage, in long swaying clumps of soft needles. Attains great height and spread with age, of picturesque value for distant sky line.

(NOTE:—On account of Federal Quarantine No. 26, White Pines cannot be shipped to any point west of Minnesota, Iowa, Missouri, Arkansas and Louisiana.)

| | Each | Per 10 |
|------------------|--------|---------|
| 2 to 3 feet..... | \$1.50 | \$12.50 |
| 3 to 4 feet..... | 2.00 | 17.50 |
| 4 to 5 feet..... | 3.25 | 30.00 |
| 5 to 6 feet..... | 4.50 | 42.50 |

Mugho. (Dwarf Pine.) Leaves short, stiff and formal thickly distributed in tufts over the branches in a crowded way somewhat similar to Austrian, with an equal depth and richness of color. Does not grow tall, but spreads out, generally assuming a globular form; very dense. Popularly used in pairs as markers, or in foundation groups. Mail size, 75 cts.; 3 for \$2.00. 12 to 15 inches, \$2.25. 15 to 18 inches, \$3.00.

RETINISPORA

Filifera. The leading shoot grows upright, the branches are nearly horizontal, with long, drooping, tasseled ends. Pyramidal in outline; bright green. Mail size, 75 cts.; 3 for \$2.00. 1½ to 2 feet, \$3.00.

Obtusa Crippsii. A beautiful golden form of Japan Cypress, carrying its bright golden color well through the season. 1½ to 2 feet, \$3.00.

Obtusa Gracilis Aurea. A graceful small tree, the fern-like young shoots of a fine golden color. 2 to 3 feet, \$3.50.

Obtusa Nana Compacta. One of the finest of the family in showy arrangements of foliage, very dwarf, dense, slow-growing habit, and great depth of color. 8 to 12 inches, \$2.25.

Pisifera. Open and tall in growth, with erect branches pendulous at tips; foliage feathery, light green, glaucous beneath. 2 to 3 feet, \$3.50.

Plumosa. An exceedingly handsome, acorn-shaped evergreen of medium tall growth, from Japan, with feathery, light green foliage. Mail size, 60 cts.; 3 for \$1.50. 1½ to 2 feet, \$2.00. 3 to 4 feet, \$5.00. 4 to 5 feet, \$6.00.

Plumosa Aurea. Like the preceding, a plant of great beauty; foliage soft plume-like, of a golden yellow color; close and compact habit. Mail size, 60 cts.; 3 for \$1.50. 1½ to 2 feet, \$2.00. 2 to 3 feet, \$3.50.

Squarrosa Veitchii. Dense growth; soft beautiful silvery blue foliage, arranged in spirals which gives the impression of boiling over. Mail size, 75 cts.; 3 for \$2.00. 1½ to 2 feet, \$2.50.

YEW—Taxus

Cuspidata Brevifolia. A very handsome, rare form of the Japanese Yew, with short dark green leaves; dense bushy habit. The hardest of the Yews. Mail size only, \$1.00; 3 for \$2.75.



Retinispora Plumosa

SPRUCE—(*Picea*)

Alba. (White Spruce.) One of the very best conifers, especially for cold climates. Compact, upright growing, long-lived, retaining its branches to the ground, aromatic, drought-resisting; varies in color from light green to glaucous blue. Mail size, 50 cts.; 3 for \$1.25. 1½ to 2 feet, \$1.50. 2 to 3 feet, \$2.00.

Colorado. (Pungens.) The original of the famous Blue Spruce; foliage mostly light green. A vigorous grower and hardy, making fine specimens in a broad based, sharply defined pyramid form; foliage rigidly angular with sharp needles very densely set. Mail size, 75 cts.; 3 for \$2.00. 2 to 3 feet, \$3.00.

Colorado Blue. (Pungens Glauca.) A selected blue shade, from foregoing. This is one of the showiest and most impressive evergreens, surpassed only by the grafted Koster's Blue Spruce—which is temporarily unobtainable. 1½ to 2 feet, \$4.00. 2 to 3 feet, \$5.00. 3 to 3½ feet, \$7.00. 3½ to 4 feet, \$8.00. 4 to 4½ feet, \$10.00.

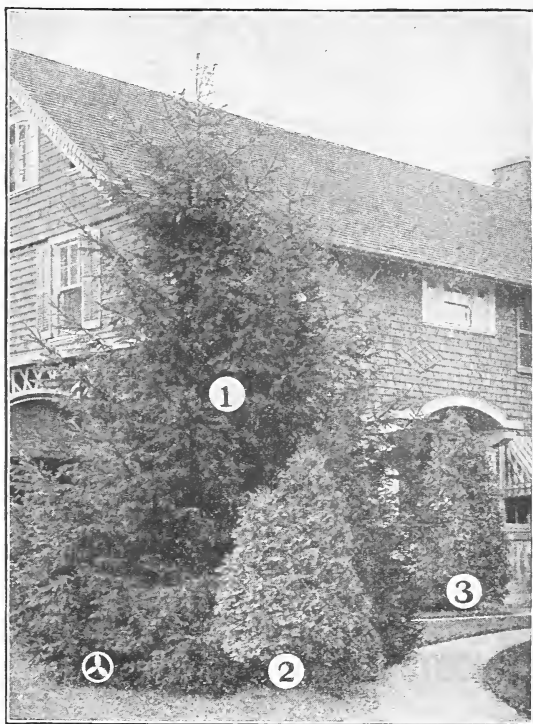
Douglassi. From the mountains of Colorado. A rapid grower, foliage somewhat resembles Hemlock, leaves light green above, glaucous below. Conical form, branches spreading, light and graceful. 2 to 3 feet, \$3.00. Mail size, 75 cts.; 3 for \$2.00.

Hemlock. An elegant pyramidal tree with drooping branches and delicate, dark foliage. It is a beautiful lawn tree and makes a highly ornamental hedge. Mail size, 60 cts.; 3 for \$1.50. 2 to 3 feet, \$3.00 each; 10 for \$27.50. 3 to 4 feet, \$4.00 each; 10 for \$42.50. 4 to 5 feet, \$6.00. 5 to 6 feet, \$8.00.

Norway. A lofty, noble tree of open, pyramidal habit; exceedingly picturesque. Very popular and effective in evergreen groups, and one of the best evergreens for hedges.

Mail size, 30 cts.; 10 for \$2.50.

| | Each | Per 10 |
|------------------|--------|--------|
| 2 to 3 feet..... | \$1.50 | 12.50 |
| 3 to 4 feet..... | 2.00 | 18.50 |
| 4 to 5 feet..... | 3.00 | 27.50 |
| 5 to 6 feet..... | 4.00 | ..... |



(1) Norway Spruce (2) A. V. Lutea (3) Red Cedar

Norway Weeping. (Inverta.) A variety of the Norway with larger foliage, lateral branches drooping like a willow. 2 to 3 feet, \$4.00.

Tiger Tail. (A. Polita.) A dense, broad pyramid with stout, rigid branches and spiny foliage which gives the tree a formal and substantial appearance. Color shiny, yellowish green. 2 to 3 feet, \$3.50.

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